

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to 12450 Skyline Blvd., Woodside, CA 94062-4541 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

An Expanded 50 MHz Bulletin

Observant readers may note that this month's bulletin has expanded beyond the usual 8 pages weighing 1 oz. Last year that expansion, to allow for reporting of Northern Hemisphere Summer Sporadic-E contacts, did not occur until our June issue. Does that mean this summer's season is twice as bountiful as last's? Not necessarily, what brought this about was the increased level of reporting of vhf activities on the Internet, mostly through the W6YX and European VHF reflectors. I would also like to thank those of you who have sent reports directly to me, frank@sneezy.sri.com, on the Internet.

Some of you may question my publishing just about every 50 MHz and TV/FM (via ionospheric modes) monitoring that I could lay my hands on. I feel that it is important that this propagation information be collected, compiled, and documented as best I can, as a historical record and for future geophysical studies.

As a historical record, the information can guide future DX-peditions as to when and where they might make best use of their time. Politically, it shows that we are making good use of a valuable resource, the 50 MHz part of the spectrum.

As scientific data, the information might be compared with other geophysical data, such as weather, meteor showers, solar and geomagnetic activity, to investigate further the causes of Sporadic-E and other ionospheric phenomena.

It is now possible to collect and process this type of data with an efficiency undreamed of when the original classic Sporadic-E investigations were carried out.

The disadvantages of using observations by radio amateurs (and TV/FM DXers) for this type of study include biases and noise. The biases include the obvious ones of activity, highest during weekends, holidays, and evenings; and of uneven geographical distribution, concentrated on the East and West coasts, sparse in the deserts and mountains and the Arctic, and almost non-existent over the oceans. Reporting of beacons and TV/FM DX may reduce the occupancy biases from square-law to linear. Even if the monitoring station was active 24-hours a day, 7-days a week (like the chart recordings being made at ZK1AA of Honolulu's Channel 2 video carrier), the observations may be biased by the source being off the air at times.

Sources of noise include call signs that do not reflect the location of the station. (For example, in our March 95 we placed XE2HWP's contact with WB9CQX under W9, but he was really /W7.) Grid locators are a great help in locating both ends of a contact or report, and thereby locating the path

midpoint(s). Exact times (in UTC), as opposed to AM, PM, or multi-hour intervals make reports much more valuable for scientific study. Honest signal reports, and perhaps indication of QTR (direction of arrival), would help in separating scatter from direct path signals.

What is desired is sufficient information to map Sporadic-E clouds, their generation, movement, and decay. I am encouraging our readers to include all the information they can in their reports to me and the Internet to make this possible.

After all that, and the current interest in sprites and Gamma Ray emissions above thunderclouds; I suppose I should be ashamed of myself for relaying the article below, which recently appeared on the Internet and would have been more appropriate for last month's bulletin.

The Real Relation Between Es & Thunderstorms

Mon amie,

A new study proves conclusively that E-skip causes thunderstorms. After an exhaustive study, it was found that the power of E-skip on the earth's atmosphere is overwhelming. Thunderstorms occur 100% of the time when there's E-skip. E-skip is so powerful that it can cause thunderstorms half way around the globe from where the E-skip occurs.

Occasionally, E-skip causes thunderstorms right below the high density E-layer. More frequently, it causes thunderstorms at one end of the path or somewhere along the E-skip path. Most often, it causes thunderstorms thousands of miles, even continents away, demonstrating its awesome power.

My complete monograph follows—

Je regret—lightning forces me to postpone the monograph till later.

73 et au revoir, Prof. Maird de Taureau

Be On The Lookout For . . .

Readers are reminded of 1)The Cape Verde Dx-pedition, June 1-14; 2)ZD7WRG/mm (see page 3); N4JQQ/C6, June 3-17; 3)V31RD until June 10; 4)W6JKV/HR, June 9-18; 5)Yaesu DX-Caribe Cruise-95, June 16-25; 6)UA0MF (RM0R) operation July, August 95; 7)K5AWK/N5AHI Mexico Grid-expedition June 30-July 5; 8)KE7CX/WM7A VE7 Grid-expedition, June 29-July 5; 9)NC7K Nevada Grid-expedition, June 16-25. Details further inside.

For summertime activities, you are encouraged to participate in and submit logs for our 1995 50 MHz DX Marathon, June 10 to July 10, 1995. You are also reminded of the UK Six Metre Group Summer Contest, June 10 0000Z to 2359Z; the ARRL June VHF QSO party, June 10 1800Z to June 12 0300Z; the SMIRK QSO Party June 17 0000Z to June 18 2400Z; the ARRL Field Day, June 24 1800Z to June 25 2100Z; and the CQ VHF Contest, July 8 to July 9.

Tom Lane, VK4ZAL

Peter Garden, VK4APG, passes along news of the passing of Tom Lane, VK4ZAL, at age 82. "He was a founding member of the Brisbane VHF Group and a dedicated 6m man since the early 1960s. According to the list published in the Australian national journal *Amateur Radio*, Tom had 68 countries worked/confirmed on 6m using no more than 100 Watts and a small Yagi. He was always ready to extend the hand of friendship and enjoyed a chat with his many friends on six. His bright, breezy voice will be missed."

Spanish PTT Issues 50 MHz Permits

Neil Carr, G0JHC, Editor of *Six News*, passes along the following list of 113 1995 6m permit holders received via EA2LU. All calls use the EH prefix on 50 MHz. Calls in bold are new permit holders for 1995.

EA1BE, EA1EH, EA1GG, EA1GJ, EA1KV, EA1NV, EA1QF, EA1SP, EA1SY, EA1TA, EA1TF, EA1YV, EA1AFP, EA1AST, EA1AZC, EA1BCB, EA1BFZ, EA1BLA, EA1DAV, EA1DDU, EA1DKV, EA1DVY, EA1EBJ, EA1EZR, EA1FYW.
EA2BK, EA2BL, EA2JG, EA2LU, EA2ADJ, EA2AGZ, EA2AZW, EA2BUF.
EA3CN, EA3EM, EA3IH, EA3JA, EA3KG, EA3LL, EA3MD, EA3PL, EA3RU, EA3UM, EA3ADW, EA3AND, EA3AQJ, EA3AXV, EA3BID, EA3BKZ, EA3BTZ, EA3CAD, EA3CBH, EA3CCK, EA3CHN, EA3CUE, EA3CUU, EA3DUW, EA3DUY, EA3DVJ, EA3ECE, EA3EDU, EA3FLN, EA3FLX, EA3FMC, EA3EHQ.
EA4AV, EA4BG, EA4CAV, EA4CGN, EA4EHL, EA5DY, EA5BY, EA5CD, EA5CJ, EA5EL, EA5FD, EA5OE, EA5YB, EA5CHT, EA5BIF, EA5BZS, EA5DIT, EA5EIL.
EA6ET, EA6FB, EA6IF, EA6SA, EA6VQ.
EA7AG, EA7AH, EA7AJ, EA7CD, EA7KF, EA7KW, EA7PZ, EA7RW, EA7TL, EA7BIH, EA7BVD, EA7CZR, EA7DBH, EA7DBP, EA7DZI, EA7ERS, EA7ESB, EA7FTH, EA7GTF, EA7UHH.
EA8ACW, EA8BPX.
EA9IB, EA9IE, EA9RY.

50 MHz in South Africa

Dear Victor, from Ivo Chladek, ZS6AXT April 21

I checked with ZS1AAK (*Page 2, March Bulletin*), he is not QRV on 6m. There is the possibility that somebody heard ZS1EK, who time-to-time puts his rig on with keyer and calls in various directions. This was since apparently they heard in ZS1 some South American station and also in ZS5. You can get details from Hal, ZS6WB, who is collecting all the info about 6m DX here and reading the 6m bulletin every Sunday.

Regarding myself, I am concentrating my activities mostly on EME above 432 MHz, although if possible I do not miss any openings on 6m. Since I am retired, I am in a better position than most of the other ZSs. I just heard that my TEP world record with OZ has been just recognized by IARU.

It is rather difficult to work from here on 6m; you can see that none of us has managed yet to work DXCC. I have so far 90 countries (confirmed) and I believe ZS6WB has the highest score of some 95 countries (not sure). However, my score is only over the last solar cycle, while his is over at least two solar cycles. Also, Hal is a bit closer to the equator, and here it makes a lot of difference!

If there was an opening during last and this year, I was looking for new countries and stations, while letting the ZS6s to work the other stations to minimize local QRM, which is usually very heavy! So that my activity is not quite a full picture of actual conditions.

During this year, we had a few openings to Europe; I missed the first one. On March 6 at 1425, I worked SV9ANJ; on March 19 at 1428, I worked 9H5EE, 18TUS, IK0FTA; and at 1452, SV1DH.

During 1994, I worked: on March 13 at 1421, 4X1IF; on March 14 between 1149 and 1540, SV1, SV4, SV8, SV9, I, 9H1, EH3, F, a total of 22 stations; on March 16 at 1106, SV8RV; on March 28 between 1320 and 1412, SV1, SV9, I, 9A3, a total of 6 stations; on March 30 between 1151 and 1842, 9A3, EH6, SV1, SV8, 9H5, a total of 8 stations; on April 5 at 1344, SV8YM; on April 6 between 1327 and 1440, 4X1IF; on April 14 at 1510, 9H1PA; on November 19 between 1130 and 1230, ZS1 and ZR1 stations (10 off)(ZS VHF Contest), with QRBs around 1250 km, 300 mW stations were coming in 59+; and that is about all the activities during 1994 and 95.

It may be of interest that sometimes in 92 or 93, two of us here made QSOs with GM and OZ via aurora (!) enhanced by some other type of propagation. I have even tape recordings of this somewhere. Stations in Europe were beaming North, by the way, and signals are nice auroral hiss. Besides, I know well aurora signals, my second call is OK2WCG, and I worked numerous 2m aurora contacts while in Europe.

There will soon be a beacon in operation on Marion Island, ZS8MI; a ship with the equipment (and an operator) is leaving Cape Town early in May.

Ivo Chladek, P.O. Box 3093, 1745 KENMARE, Republic of South Africa. Packet address ZS6AXT@ZS6AI.TVL.ZAF.AF

Dear Victor, from Hal Lund, ZS6WB, May 19

Six is very dead down here and all we can do is to try to keep interest and activity levels up until the next cycle begins. Only a couple of brief TEP Mediterranean openings this year, but nothing new worked (not even a new station). I am still at 95 countries worked/confirmed since SV9 in 1994.

A couple items for you; First, the report on the equipment sent to 9X/SM5DIC is incorrect. That was the plan, but VK3TYN never arrived here, so had no way of transporting the equipment to Kigali. Gus has been in Sweden on vacation a month or so ago, and brought back a three element beam which he has kept pointed north, and has been monitoring with his IC-729 (10W out). I spoke to him last weekend on HF and his U.N. project may be ending in June, at which time he returns to Sweden. Regarding your note on Es from the U.K., keep in mind that Kigali is south of the equator, this is our winter season and that Es activity is extremely low in southern Africa. In our area, we typically have two hours of propagation per year reported at present. More on that later.

Next, we then learned that the new radio operator going to Marion Island was ZR1DCE (ZR is a no-code VHF license) so we quickly got a station ready for him which included an Icom 551, TE Systems 0510G (the one that was meant for Gus) and an M² 6M5. They sailed from Cape Town about ten days ago, so should just about be there, but I wouldn't expect him to be on the air for a few weeks yet. We also sent a keyer so he can run it as a beacon with the ZS8MI callsign and it will probably run on 50.200 CW. We hope to run tests during

our Es season (October-February) with VKs over the South Pole, both from Marion Island and South Africa. Coordination and communication with ZS8MI will be difficult as David cannot operate on HF, so weekly phone patches through commercial links may be the only option. The crew spends a year there and he probably won't see a new face until next March or April. Next, as you probably know, the callsign situation in Kuwait is back to original and everyone has their old calls back again. The situation you described only lasted for ten days or so.

Regarding the ZD7WRG/mm item: I spoke to John several days ago, and he reported making no 50 MHz contacts during his first trip with the rig. Noise levels aboard ship were S9 using the IC551D with an ARR GasFET preamp and an M² Sqloop, which I had thought would be better for extended-range tropo when sailing near Europe. I have suggested that on the next trip, he bypass the preamp and try a ground plane or other vertically-polarized antenna to reduce noise levels. He is now back on St. Helena until around June 20, when he sails for Cape Town, then back north to Europe again. I will have a keyer waiting for him in Cape Town next trip so he can run in beacon mode when he is away from the rig. There is a change to the schedule on the June-August trip in that, after Cardiff there will be a two-week side trip to the Orkney Islands and back to Cardiff before starting south again. We also plan to organize a beacon for St. Helena that can operate while he is at sea as ZD7 is at extreme Es/MS distance from some remote parts of South Africa.

On of the main reasons that we have so little Es propagation reported down here is that we basically only have one or two paths that we can use, due to geography and population distribution. The Pretoria & Johannesburg area to Cape Town is the longest path available and that is only 1200 km in length. The Johannesburg/Pretoria path to Port Elizabeth, at 800km is very short and rarely open. The best path lengths (per W3EP's article on the Doughnut Effect in the latest Six News) of 1800-2200 km falls somewhere out at sea or in the middle of a desert somewhere to the north. All the good spots that I haven't worked fall (from Pretoria) in the 2400-2800 km region. Marion Island, for instance, is 2417 km.

We are putting together an Es research project to find out how much propagation we actually do have, and if the results look good, we should be able to get more activity going down here. We are going to be running small one watt FM beacons, all on the same frequency (tentatively 50.450 xtal-controlled) and using GP antennas. They will all be located in areas that are in the 1500-2200 km range from somewhere in South Africa. They will transmit intermittently keyed by a voice keyer (many of our ZR 50 MHz operators don't know code). ID will just give callsign and grid locator taking about five seconds, then it will go into a standby mode for a preset period between 45-90 seconds. This period will be different for each beacon so in the event that two beacons are received simultaneously, it shouldn't happen in the next time slot.

Our local operators can purchase low-cost receiver kits, crystal-controlled for the same frequency, so everybody can have one in the car, the office, or their picket, for early warning that there is Es to somewhere.

Tentative plans are to put beacons in Madagascar, northern Mozambique, Malawi, Zambia, Zimbabwe, and Namibia, perhaps also in Comoros and southern Angola when the situation there settles down. At present all D2 activity is from Luanda, which is out of single-hop Es range from all of South Africa. We will probably also get one of these on St. Helena, but higher power, as this is a multihop distance from most

areas of RSA. Also, we will put one of these on the ship for John when he is cruising down this way during our Es hop. These beacons are low-powered and meant to look primarily for single-hop Es openings.

At the same time, we plan to put on two or three beacons running higher power (100 Watts minimum) into large antennas looking south over the pole into VK/ZL and perhaps at least one towards South America. Incidentally, we had a report from ZR5ADQ of a possible Es opening into South America in March. He received strong video from that direction on South American frequencies for about an hour and heard CW signals which he was unable to copy. I told him that he had better get busy and learn the code before the next solar cycle. He now has a tape recorder installed for the next time.

Sounds like Mark (ex-ZB0T) will also be in the Falklands during part of the time that all this is going on. I hope that he will be in a position to run a beacon from there. When we get a bit closer to the time, I will send out a regular newsletter with progress reports.

Glad to hear that SMIRK is alive and think it is a good idea for you to use the DX Bulletin to disseminate their news. I want to drop Pat a line and see if we can get donations of one or two rigs to get into some scarce places down here. Our resources are very thin down here and we can't afford to buy new rigs to give away. So far we have supplied equipment to Z23JO, 3DA0BK, 7P8SR, 7P8EN, ZS8MI in 1990-92 (The two operators in that period worked 1500 JAs & three Africans, of which I was certainly not one), 5R8DG, and the two DXpeditions to Penguin Island (which I did work via MS), also C93BB during a brief trip which I also managed to work on MS. The operator was Craig, ZR6REV, who went up to the northern part of Mozambique with a church mission to repair a hospital that had been badly damaged in the war. They were watched constantly by the military who were very suspicious of them. They had an HF vertical up, but were afraid to erect the 6M5, but after dark on the last evening there they put it up and we made the MS sked at 4 the next morning. By daylight, the antenna was down, packed, and they were on their way back home. No one said Africa was going to be easy, but this is ridiculous!

Hal Lund, ZS6WB, P.O. Box 27746, Sunnyside 0132, Republic of South Africa.

1995 CQ VHF Contest, July 8-9

The following are the new rules for the 1995 CQ VHF Contest. You will note the following changes from previous years contests.

1. There will be no change in the Rover rules.
2. The multi op categories will now be based on the number of transmitters on the air at any given moment. The Multi Op Class I category will authorize an unlimited number of transmitters on the air at any given time. The Multi Op Class II category will limit the number of transmitters on the air at any given time to four. As I explained in my column last month, this is similar to Field Day type rules. And, as with Field Day, you are on your honor to indicate how many transmitters are on the air at any given moment.
3. The WPX multiplier has been eliminated. Again this past year I have found that the scoring problem was acute. I attribute it to the continuing confusion over the rules. Therefore, I decided that it wasn't worth the trouble to maintain that category. Accordingly, the contest is renamed the "CQ VHF Contest"

Announcing: The 1995 CQ World-Wide VHF Contest

Starts: 1800 UTC Saturday, July 8, 1995

Ends: 2100 UTC Sunday, July 9, 1995

I. Contest Period: 27 hours for all stations, all categories. Operate any portion of the contest period you wish.

II. Objectives: The objectives of this contest are for amateurs around the world to contact as many amateurs as possible in the allotted 27-hour period, to promote VHF and above activity, to allow VHF and above operators the opportunity to experience the enhanced propagation available at this time of year, and for interested amateurs to collect VHF and above Maidenhead grid locators for awards credits.

III. Bands: All authorized amateur radio bands above 50 MHz may be used, as authorized by local law and license class.

IV. Class of Competition: 1. Single op fixed station. 2. Multi op class I fixed station. 3. Multi op class II fixed station. A fixed station is defined as one that is a regular home station location. You may operate from your home station or you may be a "hired gun" at another home station to qualify for a fixed station category. A multi op class I station is one that operates five or more transmitters simultaneously on all authorized amateur frequencies above 50 MHz. A multi op class II station is one that operates four or less transmitters simultaneously on all amateur frequencies above 50 MHz. 4. Single op portable station. 5. Multi op class I portable station. 6. Multi op class II portable station. A portable station is defined as one that you set up away from a regular home station location. 7. Rover station. A rover station is one that is manned by no more than two operators, must travel to more than one grid locator and must sign "rover" or /R. The spirit of this class is to encourage operation from rare grid locators by persons who are inclined to do so. It is not the intent of this class to encourage one operator to move from one super station to another super station in another grid locator in order to compete in this category.

V. Exchange: Callsign and Maidenhead locator grid locator (4 digits, e.g., EM15). Signal reports are optional and need not be included in the log entry.

VI. Multipliers: The multiplier is the number of different grid locators worked per band. A "Grid Locator" is counted once per band. Exception, the rover who moves into a new grid locator can count the same grid locator more than once per band as long as the rover is himself or herself in a new grid locator location. Such change in location must be clearly indicated in the rover's log. It is required that rover category operators maintain separate logs for each grid locator location.

A. The rover who changes location during the course of the contest is free to contact as many other stations as he or she wishes. The rover becomes a new QSO to the stations working him or her when that rover changes grid locator.

B. The grid locator is the Maidenhead grid locator to four digits (FM13).

VII. Scoring: One point per QSO on 50, 70, and 144 MHz; 2 points per QSO on 222 and 432 MHz; 4 points per QSO on 903 and 1296 MHz; 6 points per QSO on 2.3 GHz and above. Work stations once per band, regardless of mode. Multiply total QSO points times total number of grid locators (GL) worked. Contest entrants may not transmit on 146.52 MHz, or your country's national 2 meter FM simplex calling frequencies, or commonly recognized repeater frequencies for the purpose of making or requesting contacts. Contacts made within your own country, in the DX window of 50.100-50.125

MHz, are discouraged. Contacts made on the SSB calling frequencies of 50.110 MHz, 50.125 MHz, and 144.200 MHz are discouraged. Contest participants are required to use UTC as the logging time.

Incentive scoring: Operators completing two way CW or MCW contacts may add one point to the QSO value for each contact.

Example: W1XX works stations as follows:

37 QSOs, with 3 QSOs on CW ($34 \times 1 = 34$; $3 \times 2 = 6$; $34 + 6 = 40$) and 10 GL's (10 multipliers) on 50 MHz.
45 QSOs ($45 \times 1 = 45$) and 8 GL's (8 multipliers) on 144 MHz.
26 QSOs ($26 \times 2 = 52$) and 4 GL's (4 multipliers) on 222 MHz.
38 QSOs ($38 \times 2 = 76$) and 5 GL's (5 multipliers) on 432 MHz.
2 QSOs ($2 \times 4 = 8$) and 2 GL's (2 multipliers) on 903 MHz.
6 QSOs ($6 \times 4 = 24$) and 2 GL's (2 multipliers) on 1296 MHz.

W1XX has 245 QSO points ($40 + 45 + 52 + 76 + 8 + 24 = 245$) x 21 multipliers ($8+4+5+2+3 = 21$) = 5,145 total points.

VIII. Awards: Engraved plaques will be awarded to the top scoring stations in each category in the world (for a total of seven trophies). Parchment certificates suitable for framing will awarded to the top-scoring stations in each category in each continent. Certificates may also be awarded to other top-scoring stations who show outstanding contest effort. Certificates will be awarded to top scoring stations in each category in geographic areas where warranted. Geographic areas include states (U.S.), call areas (Japan), provinces (Canada), and countries, and may also be extended to include other subdivisions as justified by competitive entries.

IX. Miscellaneous: An operator can sign only one callsign during the contest. This means that an operator cannot generate QSOs by first signing his callsign, then signing his daughter's callsign, even though both callsigns are assigned to the same location. All contacts above 300 GHz must use coherent radiation on transmissions and employing at least one stage of electronic detection on receive. A station located exactly on a dividing line of a grid locator must choose only one grid locator from which to operate for exchange purposes. A different multiplier cannot be given out without moving the complete station at least one hundred meters.

X. Log Submissions: This is a new contest with new log sheets. Therefore, old log sheets are no longer usable. You must request new log sheets from: the CQ VHF Contest, CQ Magazine, 76 N. Broadway, Hicksville, NY 11801. Please include an SASE with your request.

Completed logs must be postmarked no later than August 31, 1995, to be eligible for awards. All logs should be mailed to: Joe Lynch, N6CL, VHF Contest Chairman, P. O. Box 73, Oklahoma City, OK 73101. Logs may be submitted on disk, provided a hard copy of the log is sent with the disk and the data is in an ASCII format compatible with an IBM-PC type computer.

March-May 1995 DX Reports

The following reports of 50 MHz and higher DX heard and worked are courtesy of G4UPS, G0JHC, ON4KST, NL-213, SM7AED's *6-metre info*, JA1VOK's column *World VHF News*, JR3HED, LW5EJU, CO2OJ, Z23JO, K6QXY, KO6ET, KE7CX, TG9AJR, TI2NA, WA2YPY/4, VE7SKA, and postings on the Internet (many by GJ4ICD, W3IWU, N7DB, and KC7MJ.) Reports from SM3EQY, SM3JGG, SM7FJE and OZ3ZW are via *6-metre info*. Apologies to any source I may have neglected. The first entry is mmddhhii,

where mm is the month, dd is the day of the month, hh is the hour UTC, and II is the minutes after the hours. The year is understood to be 1995. A + to the right of the time indicates the observation was one of several in a time period and is probably later than reported. The grid square of the observing (and usually reporting) station may occur after a ">" symbol, or to the right of his call at the far right. Symbols before this call are: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, H=heard report.

Reports of Africa

CANARY IS

05211900-EH8BPX IL18 50.110 H G0JHC

CEUTA&MELILLA

05051533 EH9IE IM75 ON4KST

MADEIRA IS.

05201406 CT3/DL5MAE 50109.0 GW8FKB
05211600 CT3/DL5MAE (>2000) G0JHC
05211600+CT3FT 59+60 G0JHC

MOROCCO

05201133 CN8NS IM64 50110.0 F6FLV
05201153 CN8NS IM76 50110.0 G3OIL
0521 CN8NS H G0JHC

Reports of Asia (Middle East)

CYPRUS

0306 5B4CY S9 B Z23JO
0430PM 5B4CY 3350 KM B GJ4ICD
05131617 5B4CY B ON4KST

LEBANON

0306 OD5SIX S9 B Z23JO

Reports of Asia (Far East)

CHINA

03020630 BY-TV 49.750 V JA3

HONG KONG

05111200 VS6BG 50.110 C JR6VSP

JAPAN

03250230 JR6-Okinawas 50. S JA3

KOREA,S.

04230654 HL1LTC 50.230 JA1VOK
04230721 HL1LTC 50.230 JS1KQQ
04260156 HL1LTC 50.180 JA9BHZ
05041400 HL2FCN (-1450) JA
05070430 HL2FCN (-0500) JA
05121356 HL1LTC (-1410) JA
05131210 HL1JV, HL1LTC (-1230) JA
05140520 HL1LTC, HL2FCN (-0720) JA
05140520 HL1LXI (-0720) 51 F JA
05200310 HL1LTC (-0330) JA

MALAYSIA, GEN.

03020630 9M-TV 48.260 V JA3

RUSSIAN FEDERATION (ASIA): JA1VOK sent us a photocopy of a QSL to him from RM0M confirming six meter QSOs on July 17, 1994 from PN53WC. A note was included: "Dear Yoshida-san! Now I send to you my 2nd QSL card... We will be again have activity on 6m band during this coming July & August with RM0M or other call sign. GL, 73! Mike, UA0MF, ex: UW0MF." JA1VOK suggests that this would be the third Monday morning (when the local TV transmitter is down for scheduled maintenance).

0424&25 UA0CQ KHABAROVSK 50.145 JA3-6,9 ES
04240930 UA0CQ 50.110 S JA3-69
04251000 UA0CQ 50.110 S JA3-69

04251009 UA0CQ 50.110 S JA4
05090040 UA0CQ (-0200) JA
05191030 UA0CQ (-1200) JA
05200320 UA0CQ (-0800) JA

TAIWAN

04090330 BV2FG PL05 50.030 C JA0-79
04090330 BV2SR 50.110 C JA0-79
04090349 BV2SR 50.110 H JA3GR
04090355 BV2FG 50.120 H JA3GR
04090355 BV2SR 50.110 C JA9
04090403 BV2FG PL05 50.120 C JA9
04090410 BV2FG PL05 50.120 S JA0-79
04090412 BV2FG 50.110 JA5CMO
04090418 BV2HR 50.110 JA5CMO
04090430 BV2FG PL05 50.120 S JA3
04090455 BV2FG 50.120 H JA3GR
04220159 BV2FG 50.003 B JA5CMO
05010505 BV2DP (-0520) JA
05040120 BV2FG (-0130) 50.003 B JA
05040120 BV6AS (-0130) JA5
05040500 BV2FG (-0520) 50.003 B JA1
05050650 BV2FG (-0730) 50.003 B JA
05050650 BV7GK (-0730) JA
05060345 BV2FG (-0415) 50.003 B JA
05061227 BV2FG (-1245) 50.003 B JA5
05091000 BV2FG (-1100) 50.003 B JA
05100800 BV2FG (-1100) 50.003 B JA
05110900 BV2FG (-1030) 50.003 B JA
05110900 BV7GK (-1030) JA
05121000 BV2FG (-1200) 50.003 B JA
05130900 BV2FG (-1020) JA
05131000 BV2FG /QRP & BCN (-0400) JA
05140140 BV2FG (-0150) 50.003 B JA
05140350 BV2DP (-0430) JA

Reports of Europe

EUROPE GENERAL

05192000+EUR 48.242/.250/.252 -2100 >FN43 >FM29

ALAND I

05201219 OH0/SK3SN 59 50115.0 G0JHC

AUSTRIA

04170953 OE5XBL 599 JN68 (-1130) C G4UPS MS
04251109 OE6LOG JN76 >JN05 F1MXE ES
04301400+OE (-1520) G
05201234 OE5XBL JN67 50115.0 DJ5MN
05201250 OE5XBL 59 JN68 50114.0 GW7SMV

BALEARIC I

05151908 EH6FB (JM08) ON4KST

BELGIUM

04071601+ON1IM JO11 (-1700) S SM3EQY AU
04071601+ON1LNS JO10 (-1700) S SM3EQY AU
04071601+ON9CFB JO20 (-1700) S SM3EQY AU
04071626 ON9CFB 57A H G4UPS AU
05071632 ON9CFB JO20 >JO54 OZ3ZW AU
05071645 ON5SE JN29 >JO54 OZ3ZW AU

BULGARIA

0513 LZ1UK KN12 PA3FYM

CRETE

0306 SV9SIX S9 B Z23JO
03061425 SV9ANJ ZS6AXT
05131530 SV9SIX B ON4KST

CROATIA

05201238 9A2OB 50125.0 G0JHC
05201247 9A2DI JN95 50108.0 C G0JHC
05210730 9A G0JHC

CZECH REPUBLIC

03261640 OK1DDO >JO67 H SM7AED AU
03261642 OK1DDO JO60 >JO65 SM7FJE AU
0430PM OK GJ4ICD
05071634 OK1DDO JO60 >JO54 OZ3ZW AU
05201250 OK2BGW JN89 50115.0 GW7SMV

DENMARK

03261404+OZ2LD JO54 (-1454) > JP81 S SM3EQY AU
 03261404+OZ5AGJ JO56 (-1454) > JP81 S SM3EQY AU
 03261404+OZ6JI JO45 (-1454) > JP81 S SM3EQY AU
 03261503 OZ3ZW JO54 > JP81 S SM3EQY AU
 03261614 OZ1KSN JO57 >JO54 OZ3ZW AU
 03261702 OZ3ZW >JO67 H SM7AED AU
 03281711+OZ9EDR/P JO55 (-1812) S SM3EQY AU
 04060805 OZ7DX 55 S G4UPS
 04071527 OZ8ABI 57A JO55VF S G4UPS AU
 04071648 OZ4VV 59A JO46QU C G4UPS AU
 04130715 OZ6VHF 559 (-0730) B G4UPS
 04170730 OZ2LD 569 H G4UPS
 04190748 OZ7IGY 559 (-0758) IN/OUT B G4UPS

ENGLAND

03261404+G4FVP IO94 (-1454) > JP81 S SM3EQY AU
 03261540 G4IFX IO94 >JO54 OZ3ZW AU
 03261554 G4VFP IO94 >JO54 OZ3ZW AU
 03261626 G4FVP >JO67 H SM7AED AU
 03261632 G4FVP IO94 >JO65 SM7FJE AU
 03261701+G4IGO IO80 (-1726) > JP81 S SM3EQY AU
 03261726 G0JHC IO83 > JP81 S SM3EQY AU
 04071504 G1FYC 57A IO81 C G4UPS AU
 04071511 G0HQN 59A IO83SN C G4UPS AU
 04071516 G3KPT 59A C G4UPS AU
 04071523 G7IBP 59A JO01MG S G4UPS AU
 04071601+G0PZO IO83 (-1700) S SM3EQY AU
 04071601+G3BOC IO82 (-1700) S SM3EQY AU
 04071601+G3CEG IO81 (-1700) S SM3EQY AU
 04071601+G3TGG IO82 (-1700) S SM3EQY AU
 04071601+G7ANO IO92 (-1700) S SM3EQY AU
 04071620 G3BJD 59A IO84 C G4UPS AU
 04071620 GB3BUX B G4UPS AU
 04071620 GB3MCB B G4UPS AU
 04071620 GB3NHQ B G4UPS AU
 04071713 G4AFJ 55A IO92HO S G4UPS AU
 04071715 G0MGA 55A JO00DT C G4UPS AU
 04071717 G3IBI 59A IO90JT S G4UPS AU
 05201146 GB3MCB 599 >IM67 50042.5 B EA7KW-8

ESTONIA

05201113 ES5RY KO38 59 QSB 50116.0 GMONAI
 05201117 ES0SIX > IO75 50037.0 B GMONAI

FINLAND

03261404+OH3KKW KP11 (-1454) > JP81 S SM3EQY AU
 03261620 OH1SIX >JO67 B SM7AED AU
 03261801 OH5MXW KP30 >JO65 SM7FJE AU
 03281711+OH1NSJ KP11 (-1812) S SM3EQY AU
 03281711+OH2AZR KP20 (-1812) S SM3EQY AU
 03281711+OH3XA, OH3MF KP20 (-1812) S SM3EQY AU
 03281711+OH5LIZ KP30 (-1812) S SM3EQY AU
 03281711+OH5TQ KP30 (-1812) S SM3EQY AU
 03281711+OH6KG KP13 (-1812) S SM3EQY AU
 03281711+OH6MTC KP12 (-1812) S SM3EQY AU
 03281955 OH1AYQ KP12 S SM3EQY AU
 03281955 OH3KKW KP12 S SM3EQY AU
 05201000 OH1SIX B NL-213
 05201003 OH5NQ KP30 WKG G1AWP S NL-213
 05201115 OH1SIX > IO75 50025.0 B GMONAI
 05201122 OH9SIX 579 50067.0 B DF0BT JO62
 05201125 OH3MF 50146.5 C G3KNU
 05201207 OH5NQ 55 KP30ER 50129.0 G7NER IO83
 05201212 OH4YA 59 KP42 50110.0 G0JHC
 05201215 OH9SIX KP36>JO31 50069.0 DD3DJ
 05201233 OH1SIX 59 > IO81 50025.0 B GW7SMV
 05201234 OH3MF KP20 50126.0 C G0DJA IO93
 05201238 OH1LEU 50143.0 G0JHC
 05201251 OH1LEU 50142.0 2E1AWI

FRANCE

04071507 F5MZX 55A JO00TK C G4UPS AU
 04071601+F1RG IN99 (-1700) S SM3EQY AU
 04071702 F5OZG 55A JO10 S G4UPS AU
 05151719 F5BYM (IN94) ON4KST
 05151807 F6ANQ IN94 ON4KST

GERMANY

03261435 DL8LC JO53 >JO54 OZ3ZW AU
 03261557 DL5BAC JO43 >JO54 OZ3ZW AU

03261636 DL1VAA JO61 >JO65 SM7FJE AU
 03261639 DL1VAA >JO67 H SM7AED AU
 04071520 DL7HZ 55A JO62PP C G4UPS AU
 04071538 DJ8ZJ JO32 S SM3EQY AU
 04071540 DL7HZ JO62 >JO54 OZ3ZW AU
 04071543 DJ5VW JO31 >JO54 OZ3ZW AU
 04071544 DF0LI JO62 >JO54 OZ3ZW AU
 04071546 DF7ANR JO62 >JO54 OZ3ZW AU
 04071551 DJ2RI >JO54 OZ3ZW AU
 04071607 DL5BAC JO43 >JO54 OZ3ZW AU
 04071613 DL7ARM JO62 >JO54 OZ3ZW AU
 04071622 DL1NTC JO63 >JO54 OZ3ZW AU
 04071626 DL5BAC 55A JO43 C G4UPS AU
 04071655 DJ6TK 55A JO53FG C G4UPS AU
 04170952 DL3RBH 579 JN68 (-1130) C G4UPS MS
 04170955 DL8WMG? 579 VY QSB C G4UPS MS
 0430PM DL TO IO83 G0JHC
 05111701 DL7ARM JO62 WKG 9H1AA S NL-213
 05201126 DL5KCI JO30 > IM67 50100.0 EA7KW-8

GIBRALTAR

0306 ZB2VHF S9 B Z23JO
 0310 ZB2VHF B Z23JO
 05191704 ZB2VHF IM76 B NL-213
 05201115 ZB2VHF 50036.0 B EI7GL
 05201249 ZB2VHF 50035.0 B G0JHC

GREECE

0306 SV1SIX S9 B Z23JO
 0310 SV1SIX B Z23JO
 03191452 SV1DH ZS6AXT
 0513 SV1OH KM18 PA3FYM
 05131510+SV1BGR (KM18) ON4KST
 05131510+SV1EF (KM18) ON4KST
 05131510+SV1OH (KM18) ON4KST
 05131544 SV8CS (KM07) ON4KST
 05131544 SV8RV (KM07) ON4KST
 05201638 SV1AHP WKG DL5BBW IN KM17 S NL-213

IRELAND

04071800 EI8HZ 59A IO64GU S G4UPS AU

ISLE OF MANN

04071756 GD3AHV 59A IO74 C G4UPS AU

ITALY

03191428+I8TUS, IK0FTA ZS6AXT
 04150950 IK0FTS, IK0OKY JN61 (-1030) OZ ES
 04150950+IK0AKP, IOJX JN61 (-1030) OZ ES
 04250926 I8TUS 57 JMN89CG S G4UPS
 04250939 I7CSB JN71 >JN05 F1MXE ES
 04250954 IK0NOJ 55 JN61GV S G4UPS
 04250955 IOAKP 59 JN61 S G4UPS
 04250957 IK0FTA 59 JN61 S G4UPS
 04250958 IK0OKY 59 JN61GT EMIL S G4UPS
 04251005 IC8HBR 55 JN60WR ISCIA IS. S G4UPS
 04251018 IK5RLP 59 JN52LR CLAUDIO S G4UPS
 04251041 I5MXX 59 JN53 MARIO S G4UPS
 04251052 IK8MKK 59 JN71DC S G4UPS
 04251054 IOJX 599 JN61GW TONY C G4UPS
 04251114 IK8MRA 59 JN70ES GIANNI S G4UPS
 04251136 IK5MEJ 59 JN53KQ STEVE S G4UPS
 04251142 IK0VAQ 59 JN61KK ALEX S G4UPS
 04251245 IK0OKY 55 ONLY STN LEFT S G4UPS
 04301400+I (-1520) G
 0430PM I2/3 GJ4ICD
 05111705+I7 ON4KST
 05111708 IK8MKK WKG DL9ET S NL-213
 05111722 IK7UXY JN90 WKG G7SMV S NL-213
 05111729 I7UNU JN81 WKG PA2VST S NL-213
 05201237 I3LDS 50162.0 G0JHC

MALTA

0306 9H1DE S9 H Z23JO
 0306 9H1SIX S9 B Z23JO
 0310 9H1SIX B Z23JO
 04151120 9H5EE H G3HBR
 04191428 9H5EE ZS6AXT
 04251018 9H1SIX 339 B G4UPS
 04251800 9H1SIX >JN05 B F1MXE ES
 04281853+9H5DM JM75 (-1932) >JO30 DL8PM ES

05111704 9H1AA JM75 WKG DF7VO S NL-213
 05111705+9H ON4KST
 05111711 9H5DM JM75 WKG DL5KUS S NL-213
 05111721 9H5KVE JM75 WKG PE1LAU S NL-213
 05111723 9H50VE qsl direct: 9H1ARC ON4KST
 05111750 9H5DM JM75 WKG F1GN S NL-213
 0513 9H1AA JM75 PA3FYM
 05171436 9H4AC JM76 WKG DL6NN S NL-213
 05171442 9H5KVE JM75 WKG F5NTS S NL-213
 05171444 9H5DM JM75 WKG OS1KHY S NL-213
 05200918 9H5AB JM75 WKG F1UN S NL-213
 05200943 9H1AA JM75 WKG PA50RDY S NL-213

NETHERLANDS

03261550 PA2VST JO21 >JO54 OZ3ZW AU
 03261614 PA2VST JO21 >JO65 SM7FJE AU
 03261615 PA2VST JO21 WK 1650 >JO67 H SM7AED AU
 04071530 PA0RDY 55A JO22KJ C G4UPS AU
 04071532 PA0LOU 55A JO21IL C G4UPS AU
 04071547+PA0LOU JO21 >JO54 OZ3ZW AU
 04071549 PA3BFM 59A JO22OC C G4UPS AU
 04071553 PA0HIP 57A JO21JO C G4UPS AU
 04071601 PE1MCD JO23 (-1700) S SM3EQY AU
 04071601+PB0ALN JO22 (-1700) S SM3EQY AU
 04071601+PB0ANX JO22 (-1700) S SM3EQY AU
 04071601+PE1PAU JO20 (-1700) S G4UPS AU
 04071611 PB0ALN 57A JO22 C G4UPS AU
 04071654 PA3GML 59A JO22SA H G4UPS MS
 04230817+PA2VST 579 (-0910)

NORTHERN IRELAND

04071513 GI4OPH 59A IO74 S G4UPS AU
 05191706 GI6FHD IO64 WKG PE1MJV S NL-213

NORWAY

03261404 LA9DM JO59 (-1454) >JP81 S SM3EQY AU
 03261429 LA5SAA JO29 >JO54 OZ3ZW AU
 03261503 LA3DV JO49 >JP81 S SM3EQY AU
 03261615 LA5SAA JO29 >JO65 SM7FJE AU
 03261623 LA5SAA >JO67 H SM7AED AU
 04071547 LA6LU JP20 >JO54 OZ3ZW AU
 04071611 LA/DL2RMX >JO54 OZ3ZW AU
 05072159 LA7SIX JP99 599+ >JO54 OZ3ZW AUE

POLAND

04201400 SP RADIOTELEPHONES (-1430) H G4UPS
 04201402 SP6GZZ 59 JO81HI ROMAN S G4UPS
 0430PM SR B GJ4ICD
 05111726 SP9DKD WKG 9H5KVE S NL-213

PORTUGAL

04180905 CT0WW 559 (-0915) B G4UPS
 04190730 CT0WW 449 IN/OUT MORNING B G4UPS
 04200730 CT0WW 339-449 B G4UPS
 05151728 CT0WW B ON4KST
 05151800 CT1WW (IN61) ON4KST
 05191700 CT1DMK IN50 WKG ON4BCV S NL-213
 05191701 CT0WW IN61 B NL-213
 05191703 CT1DDW IN60 WKG SM7FMX S NL-213
 05192000+CT4? (-2100) H K1TOL
 05201131 CT0WW 599 50030.0 B G7PUV JO00
 05201134 CT4KQ 50095.5 C DL8SET
 05201200 CT4QP,CT1DIQ 59 50160.0 F G3OIL

ROMANIA

04251143 YO7VJ KN14 >JN05 F1MXE ES
 05201302 YO2IS 579 50109.0 C G0JHC

SARDINIA

05111732 IS0QDV JM49 WKG PE1LAU S NL-213
 05111744 IS0ANQ JM49 ON4KST
 05200925 IS0AGY JM49 WKG G7BXU S NL-213
 05200929 IS0QDV JM49 WKG OZ6OL S NL-213

SCOTLAND

03261539 GB3LER >JO54 B OZ3ZW AU
 03261620 GB3LER >JO67 B SM7AED AU
 03261700 GM4ILS >JO67 H SM7AED AU
 03261702 GM4ILS IO87 >JO54 OZ3ZW AU
 03261705 GM4ILS IO87 >JO65 SM7FJE AU
 04071445 GB3RMK 55A B G4UPS AU

04071536 GM1PKN 59A IO75EJ S G4UPS AU
 04071559 GM0GLV 59A IO75SU S G4UPS AU
 04071615 GM4BIT 57A IO75QM S G4UPS AU
 04071620 GB3RMK B G4UPS AU
 04230736 GB3LER 559 IN/OUT (-0755) B G4UPS
 04241008 GM1PKN H SM7AED ES
 04300730 GB3LER 569 IN/OUT (-0736) B G4UPS
 05072125 GB3LER IP90 >JO54 B OZ3ZW AU
 05201012 GM7YMT WKG OH5NQ S NL-213

SERBIA

04150950+YT1AU (-1030) F1MXE EX
 04151000+YU1SIX (-1130) B G
 04250952 YU1SIX KN03 >JN05 B F1MXE ES
 04251139 YU1NW KN04 >JN05 F1MXE ES
 04251141 YU1DG KN04 >JN05 F1MXE ES
 0430PM 4N0SIX B GJ4ICD
 0430PM YU GJ4ICD
 05111441 YT1AU KN04 WKG DL1EAP S NL-213
 05111443 YU7FU KN04 WKG PA0BM S NL-213
 05201242 YU1SIX 599 50088.0 B G0JHC
 05201248 4N1SIX 50046.0 B G0JHC
 05210730+YU1VG JN94 G0JHC

SICILY

04281853+IT9CHU JM76 (-1932) >JO30 DL8PM ES
 05111705+IT9 ON4KST
 0513 IT9CHU JM76 PA3FYM

SLOVAKIA

04301400+OM (-1520) G
 0430PM OM GJ4ICD

SLOVENIA

04071658 S59A 57A JN76XP C G4UPS AU
 04230817 S59A 579 (-0910) H G4UPS MS
 04301400+S5 (-1520) G
 05071645+S59A >JO54 H OZ3ZW AU
 05201249 S55ZRS >IO75 50014.0 GM0NAI

SPAIN

05051623 EH7ERS IM67 ON4KST
 05151719 EH1DVY/P (IN82) ON4KST
 05151719 EH3CUU "VVV DE EH3CUU JN12FE KKK" 50055 B
 05201100 EH3CUU 50120.0 FA1MXI
 05151728 EH5CHT (IM97) ON4KST
 05151728 EH7BIH (IM87) ON4KST
 05151816 EH1BLA/P (IN93) ON4KST
 05151816 EH2BK (IN92) ON4KST
 05201028 EH3ECE JN01 WKG DK0FLM S NL-213
 05201050 EH1EH WKG G0UPZ S NL-213
 05201056 EH3IH Short skip 50130.0 F5HRY
 05201057 EH3CUU Strange bcn 50055.0 B F5HRY
 05201106 EH3DUY JN12 55 50151.0 G7RUY JO01
 05201107 EH5BY IM98 WKG ON4ZK S NL-213
 05201123 EH3CUU S9 > IO80 50120.0 G0DEZ
 05201146 EH7AG 57 50120.0 G0JHC
 05201148 EH3DUY 599 50099.0 C G0JHC

SVALBARD

04161940 JW7SIX 429 JQ88ad 1874 KM B SM3EQY
 04172012 JW7SIX 559 (-2027) 1232 KM B SM2HTN KP07 E

SWEDEN

03261502 SM3EQY JP81 >JO54 OZ3ZW AU
 03261604 SM6MPA JO67 >JO54 OZ3ZW AU
 03261616 SM3JGG >JO67 H SM7AED AU
 03261628 SM6EAN JO57 >JO54 OZ3ZW AU
 03261639 SM6EAN >JO67 H SM7AED AU
 03261654 SM3EQY >JO67 H SM7AED AU
 03261701+SM6MPA JO67 (-1726) >JP81 S SM3EQY AU
 03261708 SM0CHH JO89 >JO54 OZ3ZW AU
 03261804 SM0CHH JO89 >JO65 SM7FJE AU
 03281711 SM0FHZ JO89 (-1812) S SM3EQY AU
 03281711+SM5PAG JO89 (-1812) S SM3EQY AU
 03281711+SM5QA, SM0FIT JO89 (-1812) S SM3EQY AU
 03281711+SM6MPA JO67 (-1812) S SM3EQY AU
 03281711+SM7FMX JO65 (-1812) S SM3EQY AU
 04010749 SM7AED 559 C G4UPS
 04030754 SM7AED 559 C G4UPS
 04040752 SM7AED 559 C G4UPS

04050751	SM7AED	559	C	G4UPS	
04060752	SM7AED	559	C	G4UPS	
04070751	SM7AED	559	C	G4UPS	
04071609	SM3BIU	56A JP73	S	G4UPS	AU
04080751	SM7AED	559	C	G4UPS	
04090753	SM7FJE	559	C	G4UPS	
04100755	SM7AED	559	C	G4UPS	
04110753	SM7AED	559	C	G4UPS	
04120753	SM7AED	559	C	G4UPS	
04130758	SM7AED	599	C	G4UPS	
04140752	SM7AED	599	C	G4UPS	
04160752	SM7FJE	559, 0802 579	C	G4UPS	
04180751	SM7AED	559	C	G4UPS	
04190755	SM7AED	579	C	G4UPS	
04200800	SM7AED	569	C	G4UPS	
04210751	SM7AED	569	C	G4UPS	
04220750	SM7AED	569, 0802 599	C	G4UPS	
04230751	SM7AED	559, 0802 599	C	G4UPS	
04240749	SM7AED	559	C	G4UPS	
04250754	SM7AED	569	C	G4UPS	
04270752	SM7AED	569	C	G4UPS	
04280752	SM7AED	559	C	G4UPS	
04290751	SM7AED	569	C	G4UPS	
04300750	SM7FJE	559-569	C	G4UPS	
05191702	SM7FMX	JO65 WKG CT1DDW	S	NL-213	
05201019	SM00UG	JO89 WKG DL2NO	S	NL-213	
05201026	SM2HTM	WKG PA50RDY	S	NL-213	
05201127	SM2GCQ	KP15 WKG G7IBP	S	NL-213	
05201158	SM2GCQ	KP15 55 50120.0	G7RUY		
05201238	SM3BIU	JP73ST 59 50116.0	PA3BGM	JO33	
05201241	SK3SIX	50070.0	B	G0DJA	
05201248	SM2GCQ	50142.0		PA3GAN	

SWITZERLAND

03261612	HB9QQ	JN47	>JO65	SM7FJE	AU
04071626	HB9QQ	JN47	>JO54	OZ3ZW	AU
05200949	HB9HFK	WKG 9H5AB	S	NL-213	
05200953	HB9SNR	WKG 9H5AB	S	NL-213	

WALES

04071744	GW0GEI	57A IO73TG	S	G4UPS	AU
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Reports of North America

This month's TV/FM reporters in North America include: Danny Oglethorpe, Shreveport, LA 71136; Doug Smith, W9WI, Pleasant View, TN 37146; William Draeb, Kewaunee, WI 54216; Larry Hart, Inglewood, CA; and Rick Lewis, Phoenix, AZ. Reports from the latter two were obtained from *The DX Online Weekly News*.

North America, General: We start out this section with a few mysteries. First, Rudy Stam, VE7FEI, in CN88, reports hearing two unmodulated carriers by auroral-Es during the aurora of May 17. The first, on 49.850 MHz, was heard between 0500-0530Z. The second, on 49.950 MHz, was heard at 0559Z. Rudy is interested in hearing if any of our readers has any information on these carriers. His address is 394 Fulford-Ganges Rd., Salt Spring Island, B.C., V8K 2K1 CANADA.

Bob Magnani K6QXY reports, during an opening to VE4, VE6, VE7 on May 22, hearing a video carrier on 49.750 MHz at 0500Z from 25° azimuth. The source could be in Europe or Asia or ?? He remarks that the band was still open at 0700Z.

ALASKA

05210359	AL7OC	429 BP54 >CN85	C	N7DB	
05210400	KL7NO			K6QXY	
05210409	KL7NO	55 BP54 >CN85		N7DB	
05210415	KL7NO	50125	S	KB6NAN	
05210615	KL7Y			N7DB	

BELIZE

0506	V31RD	59+	50.035	B	CO2OJ
05061815	V31RD				WA2YPY/4

BRITISH VIRGIN IS.

05220015	VP2MO	SSB			W3OTC
05220015	VP2MO		50.086	B	W3OTC

EASTERN CANADA

05201330	VE9AA	59			S	TI2NA
05201332	VE1PZ	59			S	TI2NA
05201350	VE3FIT	55			S	TI2NA
05201402	VE1RAA	57 FN84			S	TI2NA
05201528	VA3BCN	450 KM	>FN02FC	B	W3IWU	ES
05220530	CKCO2	ON 1130 mi	>LA	T	Oglethorpe	

WESTERN CANADA

05040455	VE8CK	DP22 53A	>CN98		VE7HJK	AUES
05050500	VE7BEE, VE7RJ	DN09			KE7CX	AU
05050500	VE8CK	DP22 57	>CN87	S	W7LZP	AUE
05050508	VE8CK	DP22 57	50.125		KE7CX	AUE
05072300	VE7RJ	DN09 (-0330)			KO6CL	CM87
05072300	VE7DXF	CO60 (-0330)			KO6CL	CM87
05082335	VE6, VE7				K6QXY	
05090000	VE7DXF	CO60 (>0430)			WB9AJZ/6	CM87
05090105	VE7RJ	DN09			K6QXY	
05090131	VE7DRC	DO00			K6QXY	
05090135	VE7BEE			H	K6FV	
05090143	VE6XT	DO21 CUSTODIAN	VE6XIS		K6QXY	
05170519	VE6XIS	DO21 41A	>CN88	B	VE7FEI	AU
05170540	VE8CK	DP22 51	>CN88	H	VE7FEI	AUES
05170610	VE6XT	DO21 59A	>CN88		VE7FEI	AU
05210312	VE7ALL	55 CO84 >CN85			N7DB	
05210345	VE6AMB	DO05 >CN85			N7DB	
05210348	VE6BMR	59 DO33 >CN85			N7DB	
05220450	VE6	DO33	>CM95		WA6VQZ	
05220500	VE4, VE6, VE7, VE6XIS			B	K6QXY	
05220500	VE7FEI			H	DSMITH	TN
05220500	VE7SKA			H	DSMITH	TN
05220558	CKND2	MB 1310 mi	>LA	T	Oglethorpe	
05221755	CKND2	MB 1310 mi	>LA	T	Oglethorpe	
05222045	VE4AAZ	WKG CO		H	N7DB	
05222045	VE4KP	WKG CO		H	N7DB	
05230300	VE6, VE6XIS			B	K6QXY	

CAYMAN IS.

05192245	ZF1DC	59			S	TI2NA
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COSTA RICA

04032142	TI2NA	S3	50.0785	B	LW5EJU	F2
04041731	TI2NA	59+20 (-1830)	50.0785	B	LW5EJU	F2
04240130	TI2NA	S1	50.0785	B	LW5EJU	TE
04250135	TI2NA	S7	50.0785	B	LW5EJU	TE
0506	TI2NA	59+		B	CO2OJ	
05182200	TI2NA	EL79			CO2OJ	
05211421	TI2NA	EJ79 (-1510)	50.125	S	TG9AJR	
05211453	TI2HL	59 EJ79		S	TI2NA	
05211502	TI2HL	59+ EJ79	50.125	S	TG9AJR	

CUBA: CO2OJ reports about his May 7 opening: "A very good 6m SE opening. In Cuba it started at mid-morning (about 1400 Z) with a long chat with K5YY and ended after 2300 Z. I worked 97 station in 63 grids, including KP4EIT and KP4EOR.

Most of the grids worked were EMs and ENs but, (unusually), I worked 13 FM and 8 FN grids. At least half of the QSOs were with stations in those grid fields. Late in the afternoon, and only for a few minutes, the propagation moved to the west and I worked 2 stations in Texas (EM10 & EM12)."

04102259	CO3ZD	S1 EL82	50.110		LW5EJU	F2
05071400	CO2OJ	(>2300) SEE NET MSG				
05071641	CO2OJ	EL83 59	50.128	S	DSMITH	TN
05161510	CO2KK	EL83 55	50.125	S	DSMITH	TN
05192200	CO2OJ	59		S	TI2NA	
05210006	CO2JA	55 EL83	50.120	S	TG9AJR	
05210009	CO2OJ	59 EL83	50.120	S	TG9AJR	

DOMINICAN REP

04052010	HI0VHF	S1	50.008	B	LW5EJU	F2
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GREENLAND

05062118	OX3LX	GP36	TO	JP70FK	3240KM	SM4POB	AUE
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GUADELOUPE

05202150	FG5BG				W3OTC	
05202150	FG5BG	WEAK			H	N4EJW
05212320	FG5BG	ON CW (>0020)	50.110	H	W3OTC	

GUATEMALA

04042142 TG RT CHIMALTENANGO 46.250 F LW5EJU F2
05211427 TG9AJR 59 EK44 (-1430) S TI2NA

MEXICO

05041358 XHBC-3 BN 1022 mi T WA5IYX Es
05071700 XE2UZL B K6QXY
05071929 XE2EED 59+ DM12 K6QXY
050720+ XE2HWP DL44 B K06ET/M
05072129 XE2HWP 59+ DL44 K6QXY
05072148 XE2UZL WEAK B N7DB CN85
05072220 XE2EED DM12 KE7CX
05080200 XE2HWP DL44 B WB9AJZ/6 CM87
05081400+XE2HWP DL44 (>1500) WB9AJZ/6
05081400+XE2LQB DL98 (>1500) WB9AJZ/6
05081500 XE2HWP 59+, &1538 B K6QXY
05081555 XHG-4 JA 1050 mi >LA T Oglethorpe
05081631 XE2UZL >CN85 B N7DB
05090128 XHBC-3 BN 1197 mi V VE7SKA ES
05101822 XE2HWP (-2100) B K6QXY
05102329 XHG-4 JA 1050 mi >LA T Oglethorpe
05131605 XE2UZL B K7RWT
05131630 XE2UZL B K6QXY
05141918 XE2UZL B K6QXY
05151925 XHBS-4 SI 1050 mi >LA T Oglethorpe
05152030 XEPM-2t //XEW >LA T Oglethorpe
05160140 XE1ABA DK89 > EN40 50.125 H KA9CFD
05161520 XE2LQB WA2YPY/4
05161553 unID XE 97.100 F DSMITH TN
05161715 XE2UZL B K6QXY
05161815+XE2LQB DL98 (-1915) >DM41 H KC7MJ
05161849 XEFE-2 XE 55.250 T DSMITH TN
05211650 XE1GRR W3OTC
05220617 XE2UZL B N7DB
05221651 unID XE 97.700 F DSMITH TN

PANAMA

05182150 HP1XBH JK08 CO20J
05182250 HP1XBH WA2YPY/4

PUERTO RICO

04052010 WP4LLH S2 MIGUEL 50.110 LW5EJU F2
05061808 KP4EIT WA2YPY/4
0507 KP4EIT, KP4EOR CO20J
05071345 WP4ARJ WA2YPY/4
05071720 KP4SQ WA2YPY/4
05182220 KP4EIT FK68 CO20J
05202150+KP4HX W3OTC

ST KITTS

04051935 V44K 59 FK87 50.055 B LW5EJU F2
05202150+V44KAI, V44KAO, V44K -2245 W3OTC

ST PIERRE: Bob, K6QXY, passes along the information that FP5EK has the 100W amplifier which he loaned him working and a 5 element beam up. He worked W1,2, & 3 on May 20 around 1400Z, and is looking for the west coast and Europe. He has no word on his proposed beacon yet, as the French government is still sitting on the license application.

United States, W1

05152000-N1KTM/MM EL84 >DM41UM KC7MJ
05161815+N1KTM/MM EL57 (-1915) >DM41 KC7MJ
05170324+N1KMT/MM EL48 GULF OF MEX. K6QXY
05182132 W1RJA FN31 CO20J
05182145 W21V FN31 CO20J
05201331 WA1GUD 59 EL87 S TI2NA
05201420 K1WW 59 FM15 S TI2NA
05202300 W1 K6QXY

United States, W2

05182127 WB2OHP FN30 CO20J
05182129 N2FRB FN31 CO20J
05182300 WA2LOX EL94 CO20J
05202210 WGRZ-2 NY 1110 mi >LA T Oglethorpe
05202307 W2YV 59 EM95 S TI2NA
05202334 WB2QLP 53 50.144 H TG9AJR
05210002 W2YV EM95 50.120 S TG9AJR
05211408 AA2UK 59 FM29 S TI2NA
0522 W2CRS/0 DM78 144. H CN96
05220225 WGRZ-2 NY 1110 mi >LA T Oglethorpe

United States, W3

05092320 KDKA-2 PA 1000 mi >LA T Oglethorpe
05092340 WTAE-4 PA 1000 mi >LA T Oglethorpe
05100015 WMAR-2 MD 1060 mi >LA T Oglethorpe
05192215 W3JO 59 FM20 S TI2NA
05192222 N3VZF 59 S TI2NA
05201346 W3BTX 55 EL98 S TI2NA
05202205 WMAR-2 MD 1060 mi >LA T Oglethorpe
05202355 K3RA 59+ FM19 50.135 S TG9AJR
05210005 W3JO 55 50.120 S TG9AJR
05210008 W3IWU 59 FN20 50.120 S TG9AJR
05210019 WB3LGK 59 FM19 50.120 S TG9AJR
05211452 WA3HMK 59 FN10, 55 @ 1519 S TI2NA
05220105 WMAR-2 MD 1060 mi >LA T Oglethorpe
05220515 KDKA-2 PA 1000 mi >LA T Oglethorpe
05221600+N3OQT EM04 H DSMITH TN

United States, W4

04102029 WPBT-2 FL 1147 mi T WA5IYX Es
04231624 W4/WA1GUD EL78 K6QXY
04231625 W4/K9HUY EL86 K6QXY
04231634 W4OO FL K6QXY
04231638 N4RFN EL87 K6QXY
05071600 WCBT-2 SC 790 mi >LA T Oglethorpe
05071620 WUND-2 SC 1040 mi >LA T Oglethorpe
05071628 WUNC-4 NC 880 mi >LA T Oglethorpe
05082330 KE4CJS EL95 SHORT SKIP CO20J
05091700 WPBT-2 FL 940 mi >LA T Oglethorpe
05121645 WPBT-2 FL 940 mi >LA T Oglethorpe
05121940 WESH-2tFL >LA T Oglethorpe
05130059 WPBT-2 FL 940 mi >LA T Oglethorpe
05151900-W4 > DM12/02 50.125 H WA6TBO
05152000-W4/W2YV EM95 >DM41UM KC7MJ
05161815+K4TQR EM63 (-1915) 50.058 B KC7MJ
05161815+KB4TEQ EM73 (-1915) >DM41 KC7MJ
05161815+N4GKE EM64 (-1915) >DM41 KC7MJ
05182135 NG4C FM16 CO20J
05192216 W4ZTN 59 S TI2NA
05192218 KC4SUS 59+ S TI2NA
05192220 WB4NTV 59 FM16 S TI2NA
05192223 NG4C 59+ S TI2NA
05201335 KD4FZP 59 EL95 S TI2NA
05201337 KC4SUS 59 EL95 S TI2NA
05201339 N4EJW 59 EL97 S TI2NA
05201346 WB4WTC 59 EM95 S TI2NA
05201347 KD4HKL 55 EL96 S TI2NA
05201349 WD4MGB 59 EL87 S TI2NA
05201351 KE4GTM 59 EM95 S TI2NA
05201356 KC4ZTL 59 EM95 S TI2NA
05201357 W4OO 57 S TI2NA
05201359 N4GDR 55 FM07 S TI2NA
05201406 W4QQ 59 H TI2NA
05201415 KE4OUP 57 H TI2NA
05201417 KC4SUS 55 H TI2NA
05201425 KE4OUP 59 H TI2NA
05201427 KE4GTM 59 CLG CQ H TI2NA
05202230 WEDU-3 FL 1992 mi >WI T Draeb
05202230 WKRK-5tAL >WI T Draeb
05202230 WPBT-2tFL >WI T Draeb
05202230 WRBL-3tGA >WI T Draeb
05202300 W4 K6QXY
05202300-W4 FL W3OTC
05202316 AA4ZZ 59 EM95 S TI2NA
05202320 WA4LXO 55 H TI2NA
05202332 WEAR-3 FL 995 >WI T Draeb
05202353 N4ZWQ 52 50.140 H TG9AJR
05210052 WCIX-4tFL >WI T Draeb
05210052 WTVJ-6tFL >WI T Draeb
05210052 WUFT-5tFL >WI T Draeb
05211416 WD4IXD 59 EL98 S TI2NA
05211418 W4PTD 55 H TI2NA
05211435 NU4Y 55 50.125 H TG9AJR
05211436 W4AUU 59 EL88 50.125 S TG9AJR
05220200 W4 GA H N7DB
05220200+W4 NC, VA (-0700) K6QXY
05220400+W4 EM66 N7DB
05220450 W4 EM64 AL >CM95 WA6VQZ
05220517 W4RUR 319 B N7DB
05220622 WB4WTC FM06 B N7DB
05220653 KB4IUJ EM56 56 N7DB
05220700+W4 NC >CM87 WB9AJZ/6
05221400 W4 NC, GA K6QXY

05221430 W4 GA >CM87 WB9AJZ/6
0525 WA4NTF 50.072 B VE3USC

United States, W5

04102245 W5VAS S9+10 50.060 B LW5EJU F2
04102320 W5VAS 59 QSP EM40 50.110 LW5EJU F2
04102325 N5OKC S3 LA 50.120 H LW5EJU F2
04231500 W5FF DM64 K6QXY
04231500+W5 NM, TX (-1800) K6QXY
04231702 KB5UBS DM84 K6QXY
04231818 KF5IU EM31 LA K6QXY
05041530 W5 NM K6QXY
05051500 W5 NM K6QXY
05061609 KPRC-2 TX 55.250 T DSMITH TN
05061700 KIII-3 TX 61.250 T DSMITH TN
05061728 KBTX-3 TX 61.250 T DSMITH TN
05071400 K5YY CO2OJ
05071620 N5ZTW EM00 59 50.133 S DSMITH TN
05071644 KA5GIM EM11 58 50.130 S DSMITH TN
05071700+W5 AZ K6QXY
050720+ N5JHV DM62 LAS CRUCES, NM H KO6ET/M
050723++ AC5AH??? H KO6ET/M
05072330+W5 TX,OK,LA K6QXY
05091445+KBTX-3 TX (-1730) T N4SFS FL
05091445+KGBT-4 TX (-1730) T N4SFS FL
05091445+KIII-3 TX (-1730) T N4SFS FL
05131500 W5 NM, TX K6QXY
05140133 unID-5 TX 77.250 T DSMITH TN
05140149 WB5IRI EL29 59 50.130 S DSMITH TN
05140241 KPRC-2 TX (>0730) 55.250 T DSMITH TN
05140310 W5 EM50 >CN87 KE7SW
05140639 KOFX TX 92.300 F DSMITH TN
05140650 KINT TX 93.900 F DSMITH TN
05151940 KASA-2 NM 750 mi >LA T Ogglethorpe
05152000-N5TSP EM00 >DM41UM KC7MJ
05152030 KDBC-4 TX 760 mi >LA T Ogglethorpe
05160115 KPRC-2tTX >WI T Draeb
05160121 KATC-3tLA >WI T Draeb
05160126 KJAC-4tTX >WI T Draeb
05161523 W5FF 53 50.125 H VE7SKA
05161815+AA5ZD EM12 (-1915) 50.064 B KC7MJ
05161815+AB5TU EM12 (-1915) >DM41 KC7MJ
05161815+KA5FYI EM00? (-1915) 50.060 B KC7MJ
05161815+KB5ZKV EM51 (-1915) >DM41 H KC7MJ
05161815+N5LBR? (-1915) >DM41 H KC7MJ
05161815+W5OZI/M EM00 (-1915) >DM41 KC7MJ
05161815+W5VAS EM40 (-1915) 50.058 B KC7MJ
05161815+W5LUA EM13 (-1915) 50.069 B KC7MJ
05161940 KJRH-2 OK TULSA T LEWIS AZ
05170220 W5 K6QXY
05201956 W5IXR 59 >CN85 50.125 N7DB
05202300 W5 K6QXY
05202300-W5 TX W3OTC
05210043 N5RML EM14 SW OK 59 N1QVE
05210247 W5FF 55 DM64 >CN85 N7DB
05210254 KN5S 59 DM62 >CN85 N7DB
05211350 K5UR 59 EM35 S TI2NA
05211359 WB5IGF 57 EM45 S TI2NA
05211438 WB5VZL 55 EM00 50.125 S TG9AJR
05212047 W5FF NM SSB 50.x H DSMITH TN
05220400 KENW-3 NM 61.250 T DSMITH TN
05220400 W5VAS B N7DB
05220400+W5 EM35 AR N7DB
05220626 N5FA EM88 55 N7DB
05221500 KENW-3 NM 61.250 T DSMITH TN
05221500+W5 EM06 OK >CM95 WA6VQZ
05221533 W5FF CLG FOR FM26 H N7DB
05221543 KPSA NM 92.700 F DSMITH TN
05221600 KZPI NM 91.700 F DSMITH TN
05221600+KA5AAI EM06 H DSMITH TN
05221600+KC5AYF EM14 H DSMITH TN
05221600+W5SFW H DSMITH TN
05221700+W5 DM65 NM (-1800) >EN40 KA9CFD
05240200 W5 TX, NM K6QXY

United States, W6

05071700+W6 (SOUTHERN CA, SHORT ES) K6QXY
050719-- KE6FDL DM13 HEMET, CA S KO6ET/M
05072215 W6 DM26 (-2230) VE7SKA CN88
05080230 KALW CA,SF (-0330) 91.7 F W2CRS/0 Es
05080230 KEAR CA,SF (-0330) 106.9 F W2CRS/0 Es
05080230 KFRC CA,SF (-0330) 95.7 F W2CRS/0 Es

05080230 KKSF CA,SF (-0330) 103.7 F W2CRS/0 Es
05080230+KTMS CA,LANCASTER F W2CRS/0 Es
05080230+KXJZ CA,SACRAMENTO 88.9 F W2CRS/0 Es
05081640 W6 DM26,CM95,CM98 (-1818) VE7SKA CN88
05082015 W6 DM03, DM08 (-2046) VE7FEI CN88
05082055 W6 DM04,DM14,CM87 (-2114) VE7SKA CN88
05082115 W6 CM88,CM87,CM95 (-2400) VE7SKA CN88
05090000 K6FV CM87 (-0300) 50.0683 B VE7SKA
05090000 W6 DM04,DM12,DM13 (-0205) VE7SKA CN88
05090000 W6 DM14,DM15 (-0205) VE7SKA CN88
05090222 W6 CM87, CM98 (-0315) VE7FEI CN88
05090230 W6 CM87,CM88,DM09 (-0320) VE7SKA CN88
05090243 KADV CA 90.5 F VE7SKA ES
05090247 KFCF CA 88.1 F VE7SKA ES
05090248 KXOA CA 740 mi 107.9 F VE7SKA ES
05090251 KFRC CA 769 mi 99.7 F VE7SKA ES
05220500+W6PKW CN87 H DSMITH TN
05220500+W6RCW DM98 H DSMITH TN
05220630 W6 H N7DB
05221600+W6? CA Auburn H DSMITH TN
05221700+W6 CM87,CM98,DM08 >EN40 KA9CFD
05230300 WA6PEV RIDGECREST QTR 90° K6QXY BS
05241519 AJ6T CM87 >EM66 C DSMITH TN

United States, W7

04231500+W7 AZ (-1800) K6QXY
05041245 KVBC-3 NV 1052 mi T WA5IYX Es
05041530 W7 AZ K6QXY
0507 W7/KR8L ID DN43 H KD6EFQ DM12
0507 W7/N5??? WY DM62 H KD6EFQ DM12
05071700+W7 (NV, SHORT ES), AZ K6QXY
050719-- W7/WA9WSJ DN13 TOM S KO6ET/M
050719+ W7/WA9WSJ DN13 HEARD 50.30 F KO6ET/M
05071930 W7 AZ,NV 59+ N7DB CN85
05071930 W7 LAS VEGAS NV TO PT LOMA KD6EFQ DM12
05071930+KG7CN DN23 DAVE S KO6ET/M
05071930+KG7CN DN23 DAVE S KO6ET/M
050720+ KB4LDS DM42 TUCSON S KO6ET/M BS
050720+ KC7CCK H KO6ET/M
05072011 K7CA 59 DM26 VE7FEI CN88
05072030 W7PQE CN96 KD6EFQ DM12
050721+ W7US DM4_ S KO6ET/M
05072152 KC7CCK DN06 KD6EFQ DM12
05072217 KC7MJ DM41 KD6EFQ DM12
05072248 WB4LDS DM42 KD6EFQ DM12
050723++ KC7V??? H KO6ET/M
050723++ W7RV DM43 S KO6ET/M
050723++ WA7KSF DM43 MESA,AZ S KO6ET/M
05081400+W7LDT DM43 (>1500) WB9AJZ/6
05081400+W7US (>1500) B WB9AJZ/6
05081750 W7 CM26, DM09 (-1820) VE7FEI CN88
05082015 W7 DM09 (-2046) VE7FEI CN88
05082054 WM7A W6RDF
05082335 W7/W6SKC B K6QXY
05090025 KNAZ-2 AZ 1030 mi >LA T Ogglethorpe
05090219 KVBC-3 NV 986 mi V VE7SKA ES
05090222 W7 DN30, DN23 (-0315) VE7FEI CN88
05090230 W7 DN22,DN23,DM40 (-0320) VE7SKA CN88
05090306 AA7NH CN84 59 450MI VE7FEI CN88
05090314 N7LFX CN82 59 VE7FEI CN88
05140450 KTVK-3 AZ 1223 T VE7SKA Es
05141700 W7 AZ, W6SKC/7 B K6QXY
05151400 W7 AZ K6QXY
05151815 KTWO-2 WY 1010 mi >LA T Ogglethorpe
05151825 KTVQ-2 MT 1230 mi >LA T Ogglethorpe
05151845 KNAZ-2 AZ 1060 mi >LA T Ogglethorpe
05151855 KVOA-4 AZ 1020 mi >LA T Ogglethorpe
05151908 KTVK-3 AZ 1075 mi >LA T Ogglethorpe
05152050 KPHO-5 AZ 1075 mi >LA T Ogglethorpe
05161656 W7/WB9CQX 33 50.125 H VE7SKA
05161920 KNAZ-2 AZ 1060 mi >LA T Ogglethorpe
05162000 KPHO-5 AZ 1075 mi >LA T Ogglethorpe
05162000 KVOA-4 AZ 1020 mi >LA T Ogglethorpe
05170120 W7HAH DN26 55A >CN88 VE7FEI AU
05170320 K7CW CN87 57A >CN88 VE7FEI AU
05202300 W7 K6QXY
05211351 K7AR 57 EM36 S TI2NA
05211414 W7GZ 57 DM42 S TI2NA
05211425 WA7JTM 59 DM33 S TI2NA
05212230 W7 AZ K6QXY
0522 W7 CN88 144. NOYGM DM78
05220223 W7 UT DN40 N7DB

05220230+KTVQ-2 MT (-0440)	T LEWIS AZ	05152040 KOAA-5 CO 780 mi	>LA	T Oglethorpe
05220250 KTVQ-2 MT 1230 mi	>LA T Oglethorpe	05152040 KWGN-2 CO 830 mi	>LA	T Oglethorpe
05220405 KTWO-2 WY 1010 mi	>LA T Oglethorpe	05161720 WOIJR, W0s		B K6QXY
05220450+W7 DN16, DN17	>CM95 WA6VQZ	05161815+NOLL EM09 (-1915) 50.077		B KC7MJ
05220500+K7VNU CN97	H DSMITH TN	05161815+WBORMO EN10 (-1915) 50.061		B KC7MJ
05220500+KC7GDB	H DSMITH TN	05161832 KGAN-2 IA CEDAR RAPIDS		T LEWIS AZ
05220500+KE7CX	H DSMITH TN	05162245 W0 MN, WI 6 & 2M AURORA		W0 MN AU
05220500+N7AUV DN07	H DSMITH TN	05170324 WOIJR		B K6QXY
05220500+W7HAH DN26	H DSMITH TN	05201342 WBOMGS 59 EL87		S TI2NA
05220500+W7LZD	H DSMITH TN	05202300 W0		K6QXY
05220500+W7PQE CN96	H DSMITH TN	05202300-W0 MO		W3OTC
05220500+W7WKR CN87	H DSMITH TN	05210255 WOMTK 59	>CN85	H N7DB
05220500+WA7UQV CN87	H DSMITH TN	05212047 NOLL/B KS CW 50.x		H DSMITH TN
05220500+WM7A	H DSMITH TN	05212230 W0 CO, WOMTK		B K6QXY
05220519 WX7R CN85 54	50.155 S DSMITH TN	0522 NOXX	144.	H W2CRS/0 DM78
05220527 K7CW CN87 569	50.094 C DSMITH TN	05220146 WOIJR 599 & 0400		B N7DB
05220529 N7DB CN85 549	50.095 C DSMITH TN	05220200 NOLL, WOMTK, WOIJR		B K6QXY
05220630 W7 DM26 NV	H N7DB	05220200 W0 SD, NE, KS		K6QXY
05220730 W7 WA & OR MUF 100.0	F W2CRS/0 DM78	05220230+ 2+ND DICKINSON (-0440)		T LEWIS AZ
05221345 KNAZ-2 AZ 1060 mi	>LA T Oglethorpe	05220230+KUSD 2+SD VERMILLION		T LEWIS AZ
05221500+W7 DM26 NV	>CM95 WA6VQZ BS	05220400 WOMTK		B N7DB
05221700 KJZZ AZ	91.500 F DSMITH TN	05220400+W0 EM37, EM47 MO		N7DB
05221700+KSOZ WY?	107.3 F HART CA	05220500+NOLL EM09 most of evening		B DSMITH TN
05221700+W7 DM54 (-1800)	KA9CFD	05220655 NOMMU EM49 53		N7DB
05221743 KTWO-2 WY	55.250 T DSMITH TN	05220709 W0/N2PC DM79		N7DB
05221842 W7 UT	>EN40 KA9CFD	05220720 NOLL DOWN TO 519		B N7DB
05221842 W7HAH MT	>EN40 KA9CFD	05221400 W0 KS, NOLL		B K6QXY
05222012 W7HAH 53	N7DB BS	05221430 W0 KS	>CM87	WB9AJZ/6
05261645 W7 MT DN26	>DM41 H KC7MJ AZ	05221500+W0 DN84 SD	>CM95	WA6VQZ
05261645 W7 UT DN41	>DM41 H KC7MJ AZ	05221500+W0 EM17, EM18 KS	>CM95	WA6VQZ
05261645 W7 WA CN96, DN07	>DM41 H KC7MJ AZ	05221500+W0 EN14 MN	>CM95	WA6VQZ

United States, W8

05150100+KB8?	OH > DM12/02 50.130	H WA6TBO
05150100+W8 MI EN82		N6XIV
05160222 WJBK-2 MI 890 mi	>LA	T Oglethorpe
05201354 K8UNV 59 EM88		S TI2NA
05201355 KE8FD 59 EM89		S TI2NA
05201400 W8MVE 57 EN81		S TI2NA
05201403 WB8OTH 57 FM89		S TI2NA
05201405 KB8RQ 59 EN80		S TI2NA
05201410 KG8KY 55		H TI2NA
05201424 N8TCA 57		S TI2NA
05202300 N8TLZ 59		H TI2NA
05202350 AA8Q 59 EM79		S TI2NA
05210025 WD8ISK	50.120	H TG9AJR
05210027 WD8DTH 55 EN ?	50.120	S TG9AJR
05210029 KU8U 59 EN72	50.120	S TG9AJR
05210030 K8MD EN82	50.120	S TG9AJR
05210033 WG8Q 59 EN82	50.120	S TG9AJR
05220200+W8 OH, MI, WV (-0700)		K6QXY
05220702 WB8VVF EM79 59+		N7DB
05221400 W8 WV		K6QXY
05221500+W8 EM79, EN70 OH	>CM95	WA6VQZ

United States, W9

05072109 WA9WSJ DN13	KD6EFQ DM12
05201345 K9NXH 55	S TI2NA
05220200+W9 IL, IN (-0700)	K6QXY
05220215 WBBM-2 IL 730 mi	>LA T Oglethorpe
05220400+W9 EM58	N7DB
05220650 WBAY-2 WI 900 mi	>LA T Oglethorpe
05221400 W9 IN	K6QXY
05221500+W9 EM58, EM59 IL	>CM95 WA6VQZ

United States, W0

04211600 WOMTK	B K6QXY
05061735 WOMTK CO	B K6QXY
05072330 NOLL	B K6QXY
05072330+W0 CO	K6QXY
05081631 WOMTK	>CN85 B N7DB
05090307 KAOCND	50.065 B VE7SKA
05090320 NOLL	>CN85 B N7DB
05100345 KWGN-2 CO 830 mi	>LA T Oglethorpe
05140235 NOLL 339C EM09	50.077.5 B VE7SKA Es
05140235 W0 DM58 EM09 (-0410)	VE7SKA Es
05140235 W0 DM78, 79, 67 (-0410)	VE7SKA Es
05140330 WOIJR 559 DM79	50.065.4 B VE7SKA Es
05140332 KREG-3 CO 1028	T VE7SKA Es
05140337 WOMTK 539	50.064.7 B VE7SKA Es
05141448 NOLL (-1548)	>CN85 B N7DB
05141448 WOMTK (-1548)	>CN85 B N7DB

VIRGIN IS

05201953 KP2A	WA2YPY/4
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Reports of Oceania

AUSTRALIA GEN.

03020530 VK-TV	46.170 V JA0
03020630 VK-TV	46.170 V JA3
03030316 VK-TV	46.170 V JA7
03030510 VK-TV	51.670 F JA7
03030605 VK-TV	46.170 V JA0
03040319 VK-TV	46.170 V JA7
03040413 VK-TV	51.670 F JA7
03060331 VK-TV	46.170 V JA7
03190400 VK-TV	46.170 V JA0
03210345 VK-TV	46.170 V JA0
03220440 VK-TV	46.170 V JA0
03230415 VK-TV	46.170 V JA0

AUSTRALIA-VK4

03020558 VK4WTN	50.110 S JA0
03020600 VK4DO	50.150 S JA0
03020608 VK4JH	QH30 50.110 S JA1
03020615 VK4JH	QH30 50.110 S JA0
03020616 VK4BRG/B	QG48 50.077 B JA1
03020620 VK4AFL	QG62 50.110 S JA1-69
03020625 VK4JH	QH30 50.119 S JA1-69
03030521 VK4BRG/B	QG48 50.077 B JA7
03030524 VK4RGG/B	50.058 B JA7
03030529 VK4AFL	QG62 50.145 S JA7
03030535 VK4ABP/B	QG26 52.345 B JA7

03030542	VK4XA	QG62	50.100	C	JA7
03030552	VK4PU	QG63	50.120	S	JA7
03030601	VK4ZAZ	QG63	50.109	S	JA7
03040408	VK4BRG/B	QG48	50.077	B	JA1
03040413	VK4BRG/B	QG48	50.077	B	JA7
03040423	VK4PU	QG63	50.100	C	JA7
03040430	VK4AR	QG62	50.110	C	JA7
03040432	VK4WTN		50.130	S	JA7
03040436	VK4ABP/B	QG26	52.345	B	JA7
03040450	VK4DO		50.107	C	JA7
03040450	VK4WTN		50.110	S	JA0-79
03040510	VK4BRG/B	QG48	50.077	B	JA0-79
03040510	VK4WTN		50.130	S	JA0-79
03040511	VK4KIT		50.110	S	JA7
03040530	VK4KIT		50.120	S	JA0-79
03060500	VK4AFL	QG62	50.120	S	JA0-7
03060500	VK4PU	QG63	50.130	C	JA0-7
03060510	VK4BRG/B	QG48	50.077	B	JA0-7
03060510	VK4JH	QH30	50.140	S	JA0-7
03060530	VK4ABP	QG26	52.347	B	JA0-7
03060559	VK4AFL	QG62	50.140	S	JA0
03060600	VK4PU	QG63	50.110	S	JA0
03060603	VK4GPS		50.110	S	JA0
03190410	VK4GPS		50.110	S	JA0
03210410	VK4BRG/B	QG48	50.077	B	JA1
03210428	VK4AFL	QG62	50.110	S	JA1
03261049	VK4TL	QH32	50.1	S	JA6
04170522	VK4RO		50.110	JHIWHS	
04170555	VK4RR		50.120	H	JA3GR
04251010	VK4TL	QH22	50.110	S	JA0-9
04251030	VK4SIX	PG99	50.110	S	JA0-9

AUSTRALIA-VK6

04100625	VK6JQ		50.115	C	JA3GR
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AUSTRALIA-VK8

03261000	VK8VF/B	PH57	50.057	B	JA6
03261053	VK8ZMA		50.1	S	JA6
03261220	VK8ZMA		50.110	S	JA3
03261230	VK8VF/B	PH57	50.057	B	JA3-6

HAWAIIAN IS

03310840	KHON-2+	(-1045)	55.260	V	ZK1AA TE
04030630	KHON-2+	(-0930)	55.260	V	ZK1AA TE
04040925	KHON-2+	(-1030)	55.260	V	ZK1AA TE
04070749	KHON-2+	(-1106)	55.260	V	ZK1AA TE
04080750	KHON-2+	(-1250)	55.260	V	ZK1AA TE
04100549	KHON-2+	(-1139)	55.260	V	ZK1AA TE
04100800	KHON-2+	(-1000)	55.260	V	FO5DR TE
04100800+KH6HME				B	FO5DR TE
04110618	KHON-2+	(-0704)	55.260	V	ZK1AA TE
04111001	KHON-2+	(-1121)	55.260	V	ZK1AA TE
04121053	KHON-2+	(-1133)	55.260	V	ZK1AA TE
04121158	KHON-2+	(-1228)	55.260	V	ZK1AA TE
04130600	KHON-2+	(-1140)	55.260	V	ZK1AA TE
04130630	KHON-2+	(-0930)	55.260	V	FO5DR TE
04130730	KH6HME, KH6HI			B	FO5DR TE
04130740	KGMV-3		61.250	V	FO5DR TE
04130740	KHON-2+		59.760	F	FO5DR TE
04140610	KHON-2+	(-1130)	55.260	V	ZK1AA TE
04140625	KHON-2+	(-0825)	55.260	V	FO5DR TE
04140640	KGMV-3 +SOUND (65.75)		61.250	V	FO5DR TE
04140640	KH6HME, KH6HI			B	FO5DR TE
04140640	KHON-2+		59.760	F	FO5DR TE
04150535	KHON-2+	(-0835)	55.260	V	FO5DR TE
04150536	KHON-2+	(-0836)	55.260	V	ZK1AA TE
04150555	KH6HME, KH6HI			B	FO5DR TE
04150600	KGMV-3		61.250	V	FO5DR TE
04150917	KHON-2+	(-1002)	55.260	V	ZK1AA TE
04160604	KHON-2+	(-0745)	55.260	V	ZK1AA TE
04160610	KHON-2+	(-0810)	55.260	V	FO5DR TE
04170610	KHON-2+	(-0800)	55.260	V	ZK1AA TE
04180710	KHON-2+	(-1110)	55.260	V	ZK1AA TE
04210552	KHON-2+	(-1042)	55.260	V	ZK1AA TE
04220627	KHON-2+	(-1203)	55.260	V	ZK1AA TE
04220640	KHON-2+	(-0840)	55.260	V	FO5DR TE
04220820	KH6HME			B	FO5DR TE
04231145	KHON-2+	(-1309)	55.260	V	ZK1AA TE
04231309	KTVU-2+??(>1409)	WK	55.260	V	ZK1AA TE
04240900	KHON-2+	(-1040)	55.260	V	ZK1AA TE
04270930	KHON-2+	(-1250)	55.260	V	ZK1AA TE
04301050	KHON-2+	(-1124)	55.260	V	ZK1AA TE

05031050	KHON-2+	(>1249)	55.260	V	ZK1AA TE
05060900	KHON-2+	(-1210)	55.260	V	ZK1AA TE
05071020	KHON-2+	(-1105)	55.260	V	ZK1AA TE
05090719	KHON-2+	(-1134)	55.260	V	ZK1AA TE
05110930	KHON-2+	(-1040)	55.260	V	ZK1AA TE
05150910	KHON-2+	(-1155)	55.260	V	ZK1AA TE
05160703	KHON-2+	(-0850)	55.260	V	ZK1AA TE
05181127	KHON-2+	(>1314)	55.260	V	ZK1AA TE

INDONESIA

03261230	YB2BAB		50.110	S	JA3
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OGASAWARA IS

05050630	JD1/JI2AMA		50.127	S	JA12
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PHILLIPINES

03261230	N7ET/DU7		50.110	S	JA3
04251000	N7ET/DU7		50.110	S	JA0-6

Reports of South America

ARGENTINA

04012020	LU8EEM	S3 LINCOLN	50.110		LW5EJU BS
04012030	LU7DZ/H	S5 CORDOBA	50.110		LW5EJU BS
04012100	LU8EWD	S3 GF05 JORGE	.110		LW5EJU BS
04032025	LU8EEM	S9 LINCOLN	50.110		LW5EJU BS
04042100	LU5EJT	S3 GF05 CARLOS	.110		LW5EJU GW
04042105	LU3AOU	GF05 JOSE	50.110		LW5EJU GW
04051253	LU8DNY	S9+ LAPLATA	50.110		LW5EJU GW
04051426	LU9EHF	S9 LINCOLN	50.016	B	LW5EJU TROP
04062000	LU9EHF	S5	50.016	B	LW5EJU TROP
04102300	LU7FA	S1-2 SANTA FE	50.110		LW5EJU BS
04131845	LU9EHF	S3-5 FF95	50.016	B	LW5EJU TROP
04161850	LU9EHF	S5	50.016	B	LW5EJU TROP
04172100	LU9EHF	S5	50.016	B	LW5EJU TROP
04182240	LU5JAU	S7-9 DANIEL	50.109		LW5EJU TROP
04182305	LU3JKV	S7-9 SEBASTIAN	.109		LW5EJU TROP
04191720	LU3JKV	S1-2	50.110		LW5EJU TROP
04222125	LU5JAU	S9+10 DANIEL	50.110		LW5EJU TROP
04222140	LU3JKV	S7	50.110		LW5EJU TROP
04222140	LU9JKU	S1 MIGUEL	50.110		LW5EJU TROP
04250130	LW5EJU	S9+		S	TI2NA
04252130	LU9EHF	S7	50.016	B	LW5EJU TROP
04262330	LU9EHF	S7	50.016	B	LW5EJU TROP
04272150	LU3JKV	S9+10	50.110		LW5EJU TROP
04272240	LU5JAU	S9+10	50.115		LW5EJU TROP
04272245	LU1DMA	S9+10 LUIS	50.115		LW5EJU GW
04282217	LU5JAU	S9+10 QSB	50.110		LW5EJU TROP
04291833	LU5JAU	S9+10 QSB	50.110		LW5EJU TROP
04291838	LU3JDK	S9+10 QSB	50.110		LW5EJU TROP
04292250	LU5JAU	S9+30	50.108		LW5EJU TROP
04292258	LU3JKV	S9	50.108		LW5EJU TROP
04292330	LU8AHW	S3 HECTOR	50.108		LW5EJU GW
04292348	LU9EHF	S7 LINCOLN	50.016	B	LW5EJU TROP
04301710	LU5JAU	S1-9 DANIEL	50.110		LW5EJU TROP
04301717	LU9JKU	S0-1 MIGUEL	50.110		LW5EJU TROP
04301742	LU3JKV	S0-7 SEBASTIAN	.110		LW5EJU TROP
05011140	LU5JAU	S9 DANIEL	50.105		LW5EJU TROP
05032227	LU1DMA	S9	50.110		LW5EJU TROP
05032227	LU5JAU	S9+30	50.110		LW5EJU TROP
05032232	LU8JBO	S9 CONCORDIA	50.110		LW5EJU TROP
05032240	LU9JKU	S2	50.110		LW5EJU TROP
05042200	LU9EHF	S7	50.016	B	LW5EJU TROP
05042210	LU3JKV	S9	50.110		LW5EJU TROP
05042220	LU5JAU	S9	50.120		LW5EJU TROP
05071500	LU5JAU	S7 QSB	50.109		LW5EJU TROP
05072005	LU4DMX	S1	50.110		LW5EJU GW
05072125	LU9EHF	S7 LINCOLN	50.016	B	LW5EJU TROP
05092115	LU8DIO	S9+10 EDUARDO	.110		LW5EJU GW
05092225	LU5JAU	S9+30 DANIEL	50.110		LW5EJU TROP
05101930	LU3JKV	S9	50.120		LW5EJU TROP
05111630	LU3JKV	S7 SEBASTIAN	50.110		LW5EJU TROP

BRAZIL

04012050	PY R.TELEFONOS	49-50		F	LW5EJU ES
05071800	PY R.SERGIPE/2	59	50.760	F	LW5EJU ES

CHILE

04021546	CE 59+60 MUSIC	47.900	F	LW5EJU ES
04021710	CE R.TELEFONOS	59-50		LW5EJU ES

PARAGUAY

04012044 ZP5PT S1 RAMON 50.110 LW5EJU BS

PERU

03312047 OA R. CONTINENTAL/2 48.440 F LW5EJU
03312047 OA R. TELEFONOS 49-50 LW5EJU
04012016 OA R. CONTINENTAL/2 48.440 F LW5EJU
04032015 OA R. CONTINENTAL/2 48.440 F LW5EJU ES
04032020 OA MILITARY 59+10 50.000 F LW5EJU ES

URUGUAY

04012018 CX1CCC S2 50.019 B LW5EJU BS
04032000 CX1CCC S2 50.019 B LW5EJU BS
04182315 CX3IN S3 PAISANDO 50.109 LW5EJU TROP
04262207 CX1CCC S1-3 50.019 B LW5EJU TROP
04292250 CX2IY S6 ANTONIO 50.108 LW5EJU TROP
04292250 CX3IN S2 CARLOS 50.108 LW5EJU TROP
04300100 CX1CCC S3 50.019 B LW5EJU TROP
05111630 CX1II S0-1 PAISANDO .110 LW5EJU TROP
05120230 CX9AF S1-7 MONTEVIDEO.120 LW5EJU TROP

VENEZUELA

04020200 YV4AB S1 50.025 B LW5EJU TE
04040126 YV4AB 50.0255 B LW5EJU TE
04050200 YV4AB S8 50.0255 B LW5EJU TE
04240100 YV4AB S2 50.0255 B LW5EJU TE
04250135 YV5AB 539 B TI2NA
04250300 YV4AB S1 50.0255 B LW5EJU TE
04270145 YV4AB S5 50.0255 B LW5EJU TE
05201904 YV4AB 50.025 B WA2YPY/4

Beacon News

Alberta, Canada: A report from VE6XT (DO21) via Mike Cherry, VE7SKA: "The Canadian D.O.C. didn't like the calls of the VE6QRM beacon, so VE6XIS has been chosen (SIX has been taken). John also mentions that the beacon regretably is QRT between 2000 and 2400 UTC due to a QRM problem. The "listed" frequency is 50.031 +/- and I have measured them on .030.4 and 030.5 during aurora openings."

Canadian Arctic: Received a message from E.W. Smith, 74461,1501 via Joe Lynch N6CL, 72124,2734 (Compuserve numbers, I guess) dated May 15 regarding six meter beacons.

"I am currently somewhat involved in the planned siting of a HF beacon in the Canadian Arctic. It is entirely possible that we might be able to colocate a 6M beacon, with the HF unit, at the same time.

My problem is finding someone out there in hamdom who manufactures 6M beacons and keyers. I was able to obtain one several years ago from an amateur in Eastern USA; this beacon was subsequently sent to the Cambridge Bay NWT region of the Arctic, however it has disappeared entirely, I regret to say. (The next one I send up to the Arctic will go with someone I personally know!) And unfortunately I've lost the name and address of the amateur who produced that particular beacon.

I've sent an e-mail off to my old friend Dana VE3DSS, asking him for any leads he might have. I would also be interested in knowing if, through your wide circle of correspondents, you're aware of anyone out there who is involved in the production of such beacons. At this point I'm prepared to foot the cost of such a beacon and keyer myself and worry about assistance later from various Canadian VHF'ers.

Although the planning has just recently started vis-a-vis beacon installations in the Canadian Arctic islands it is quite possible that we may be able to install two beacons, one north of the usual auroral belt (e.g., at Eureka Wx Station) and the other south of the belt (e.g., at Resolute Bay).

Any feedback you might be able to supply would be appreciated."

France: SM7AED's *6-metre Info* reports FX4SIX in JN06CQ (Poitiers) on 50.315 MHz with 50 W ERP to X/Dipoles. It is QRV only between 0730 and 1530 weekdays (not weekends).

Greenland: Bo, OX3LX, when not QRV on 6m will run a beacon transmitter on 50.100 in one minute intervals starting EVEN minutes. More info on his locations in our March 1995 bulletin.

Japan: JA1VOK's *World VHF News* column indicates JH9YHP beacon is now QRV on 50.485 MHz in PM86 (Toyama) with 2/10W and turnstile.

Louisiana: W3OTC reports copying a KA5BTP beacon on 50.0712. The SAM/HFCC database shows the call as being located at LSU, Baton Rouge, LA. Keying speed: approx 5 wpm; message cycle: 50 seconds; message: VVV VVV BCN DE KA5BTP KA5BTP KA5BTP K. Does anyone have more detailed info?

Malaysia (Sabah): JA1VOK writes that the 9M6SMC beacon on 50.014 is assumed to be off the air since last summer because of no reception reports in spite of many times hearing 48.26/48.25/53.74/53.75 9M video/sound signals since last summer.

Maryland: W3OTC reports that due to tube ! changes, it is now impossible to get W3VD back on 50065.0 kHz. The frequency will be (about) 50064.2 kHz for the foreseeable future.

Philippine Is.: JA1VOK confirms that DX1HB is definitely has been off the air since last fall.

Sweden: SM3EQY reports a new 24-hr/day beacon, QRV since April 1, SK3SIX, in JP71XF (Edsbyn) on 50.070 MHz. The beacon is located 500 mts ASL, and runs 10W to a turnstile antenna.

VHF Signal Sources in the Pacific Northwest

VE7SKA passed along the following band opening indicators to watch for in the Pacific Northwest.

40.000 Victoria, BC - meteor-scatter high-powered xmtr always on 24 hrs. with "warbling"
43.200 NW WA state - pager: very active
45.655 Bellingham, WA - pager: very active
46.900 Seattle, WA - meteor-scatter high-power comms. xmtr.
50.074.5 +/- Seattle WA WR7V morse-code beacon

DX-Pedition News

Cape Verde Is.: A reminder that D44 should be QRV on 50 MHz the first two weeks of June. More information in our February 1995 bulletin.

Cayman Is.: Chris Patterson, WA3HMK and Lance Collister, WA1JXN will be traveling to little Cayman Island (6/4/95 - 6/12/95) for a 2 mtr. and 6 mtr. expedition. The expedition will concentrate on 2 mtr. EME, meteors and tropo. The 6 mtr. operation will concentrate on meteor and sporadic E operation. The operation will include the 1995 ARRL June VHF contest. Six mtr. equipment will include a Kenwood TS-690, 175w brick and 6 element Yagi. Two mtr. equipment will include one KW output and a pair of M2 19xxx Yagis with

dual polarization. Grid square is EK99. They will monitor 14.345MHz and 28.885MHz.

Market Reef: An OJ0-operation on 50 MHz occurred May 25-29. The crew, consisting of OH0RJ, OH6EI, OH6LI, OH6LK, and OH8PF, was on Market Reef for WPX but they had a 5-el yagi and 50 watts on 50 MHz. Seppo, OH1VR, provided the 5-el yagi to be left on Market Reef for future operations. QSL-manager for this operation is OH6LI.

Mexico: Phil, N5AHI, writes that the 6 meter grid-expedition he and K5AWK are making between June 30 and July 5 (pg 8, April 95 bulletin) includes a stop in the vicinity of the Tropic of Cancer, not Capricorn. *Blush!*

Palau: Ted, NH6YK (nh6yk@amsat.org), writes: "Aloha - Just to let you know, I'll be in Palau as KC6YK from June 13 to Aug 25. It will take a few days to settle in and set things up. In between snorkeling/kayaking and hanging out with the YL, I'll be on 6M, Satellites, and HF. for 6M I'll have 5el Maspro antenna and 10W radios. I'll probably have a 2 watt beacon into a turnstile running while I am there."

Portugal: SM7AED's *Six Metre Info* listed an expedition to CT7B--Berlenga Is., IOTA EU-040 on all bands 160 through 6 meters between April 30 and May 6. Ops are DJ0MW and two CT-OM. QSL via DJ0MW, Mario. Message originated from DK7FP@DK0MWX. Did anyone work them on 6m?

Wake Is.: JA1VOK's *World VHF News* indicates that Tom, AL7EL/KH9, was planning on being QRV on 6m as well as 30-80m May 17-23.

Yaesu DX-Caribe Cruise-95:

June 16-18 FK42 (P4-Aruba)
June 19-20 FK53,63,74,84,85
June 19-20 FK95 (J7 Dominica)
June 21 FK95,94,93
June 21 GK03 (8P, Barbados)
June 22 GK03, FK93
June 22 FK94 (FM, Martinique)
June 23-24 FK94,84,83,73,63,62
June 23-23 FK52 (PJ, Curacao)
June 25 FK52,42

QSL Info

CO2OJ: Oscar Morales Jr, POB 6060, Habana 6, CUBA 10600

TG9AJR: QSL via (either) my QSL mgr. WA1ECA, or (direct) JUAN MUNOZ 4959, P.O. BOX 02-5279, MIAMI, FLORIDA 33102-5279 (tg9ajr@uvg.edu.gt)

Argentine Observations during Solar Eclipse

Con respecto al eclipse solar no se escucharon señales de DX de posibles aperturas por Esp o F2. ¡Si! hubo una fuerte apertura Troposférica en 50 MHz y en 144 MHz que duró el tiempo del eclipse.

La Luna tapó un 30% del sol aproximadamente. En este momento la banda de 50 MHz se encuentra cerrada par el DX, "por lo menos en GF05", dandonos meustras de condiciones troposféricas muy buenas casi a diario que seguramente terminarán con el inicio del invierno.

With respect to the solar eclipse, I didn't hear DX signals from possible openings by Es or F2. -Yes! there was a strong tropospheric opening on 50 MHz and on 144 MHz that lasted the time of the eclipse.

The Moon covered 30% of the sun approximately. At this time the 50 MHz band is closed for DX, "at least in GF05", giving us samples of very good tropospheric conditions almost daily that surely will finish with the beginning of the winter.
--LW5EJU

Troubles With The Icom 551D

I have received two letters from Dennis Faircloth, KD4TDN, the first through Pat Rose, W5OZI. I am publishing the majority of both to demonstrate what a new amateur can work on 6m in one year and to warn our readers of a possible problem with the Icom 551D.

"Last June and July I enjoyed six meters so much that I received the VUCC award with 150 confirmed grid squares. I need only Delaware, Nevada and Hawaii for W.A.S. Not bad for a no-code tech with a hearing problem, first year.

I have a problem and hope you can help me with it so I can finish W.A.S. this summer. I have an Icom 551D and it worked great until one day it would not change transmit/receive frequency, although the readout frequency changes. Anyway, I sent it to Icom repair and they said it need the TNS-1025NL input/output latch buffer chip on the driver board. Icom does not have the replacement chip or driver board anymore and I can't find one anywhere. Do you know anyone that has the driver board or replacement chip? This is a very good radio to be down because of one bad chip. I would appreciate any and all the help I can get on this matter."

"Thank you for your letter of May 2nd. Also thanks for including my problem with the Icom 551D in your next bulletin.

[As you surmised], the TNS1025NL chip on the driver board was specially-made for Icom by Texas Instruments. Icom does not stock the chip and TI does not produce it anymore. When I asked the reason for this, the Icom repair man said it was so we would have to buy new replacement radios. Well, he was right, but I purchased a Kenwood TS-60S to replace it. But I will miss my old 551.

I have been a member of the Civil Air Patrol for 20 years and always used their VHF and HF frequencies. I received damage to my ears in Vietnam and cannot read CW, so I was very glad to see the no-code technician license accepted. I understand why some hams dislike the no-coders, but I also believe the number of hams (upgraded, etc.) has greatly increased because of the license. Six meters is the only DX band open for no-coders, and I believe it will become more crowded. But this is good if the old-timers [will take the time to] teach the newcomers "good band ethics". I personally think six is the most friendly band. Hopefully the manufacturing companies will see the new [market] and build [more] six meter equipment for the newcomers.

I really enjoyed June and July 1994 on six meters. In two months I had enough "confirms" for my VUCC award. Not bad for an old national park ranger with a forty-year old six meter halo.

The band has been open from EM85 south to Cuba on April 23 and it was open for five hours north into the New England states on May 4 and 5. I understand EM85 is a good grid to get because the Great Smokey National Park takes up more than half of the grid."

Dennis Faircloth, KD4TDN, 214 Allen Court, Maryville, TN 37804 (615)983-8807 KD4TDN@N4QEA.#ETN.USA.NA

NEW RADIO PRODUCTS THE NEW ICOM 706: HF/50/144MHZ!

Review believed by GJ4ICD

Just when you buy a dual band radio up pops a tribander!!!! ICOM LAUNCHES THE NEW HF/50MHz/144MHz TRANSCEIVER. The radio features 30kHz to 200MHz receiver ALL MODE including WFM for the broadcast bands. On Tx the radio covers the usual amateur bands plus 50 to 54MHz and 144 to 148MHz. Power output is 100 Watts on HF and 50MHz and 10 Watts on 144MHz, all modes are supported including RTTY. The unit is smaller than the TS50 or DX70H and weighs just 2.5kg. 101 memories are available with two of them used for band edge scanning. The RX section is continuous 32kHz to 200MHz with NO gaps, this is the first time an amateur transceiver has had this type of coverage, and will be ideal for the VHF enthusiast to monitor Sporadic E etc. Also featured is a detachable front panel, so the main body can be stored under your drivers seat or bench.

SPECIAL FEATURES. Inbuilt electronic Keyer. Optional antenna tuner. 1Hz tuning steps. Spectrum Scope. Up to 9 alpha numeric characters can be stored per memory. IF Shift. Vox. 144MHz Call channel. RF Gain. LSB/USB/CW/RTTY/FSK/AM/FM all standard. WFM on Rx. Lots more on offer....

RX SPECIFICATIONS SSB/CW/RTTY HF = .16µV 50MHz = .16µV 144MHz .16µV AM: HF/50/144 all 2.00µV FM: HF and 50MHz = .5µV 144MHz = .25µV.

TX INFO HF and 50MHz 5 to 100 watts adjustable 144MHz .5 to 10 watts adjustable Internal keyer has adjustable weight, adjustable pitch 300Hz to 900Hz.

Simple spectrum scope function Digital RF/S meter Frequency resolution = 1/10Hz IF's = 69.01MHz, 9.01MHz, and 455kHz (FM). Selectivity: SSB/CW -6db 2.3kHz RTTY -6db 2.3kHz AM -6db 6kHz Power selection variable in 5% steps. Mike = 600Ω Antenna connectors = 2, one for HF/50MHz, one for 144MHz
RIT = 1.2kHz Mike tone adjustable Tuning steps AUTO Twin VFO's A/B Size = W167, H58, D200 {mm}.

Note from W3OTC: "ICOM had their IC-796 rig on display at Dayton. It has 100 W output on all bands 160 thru 6 m and 10 W on 2 m. The receiver tunes continuously from 30 kHz to 200 MHz. Estimated street price is about \$1200-1300. It has not yet been submitted for FCC approval; availability is expected to be August 1995. The woman guarding it didn't know the high-IF frequency. 73 de Bob w3otc@amsat.org"

Internet/World Wide Web News

Received the following e-mail message regarding the European VHF discussion group:

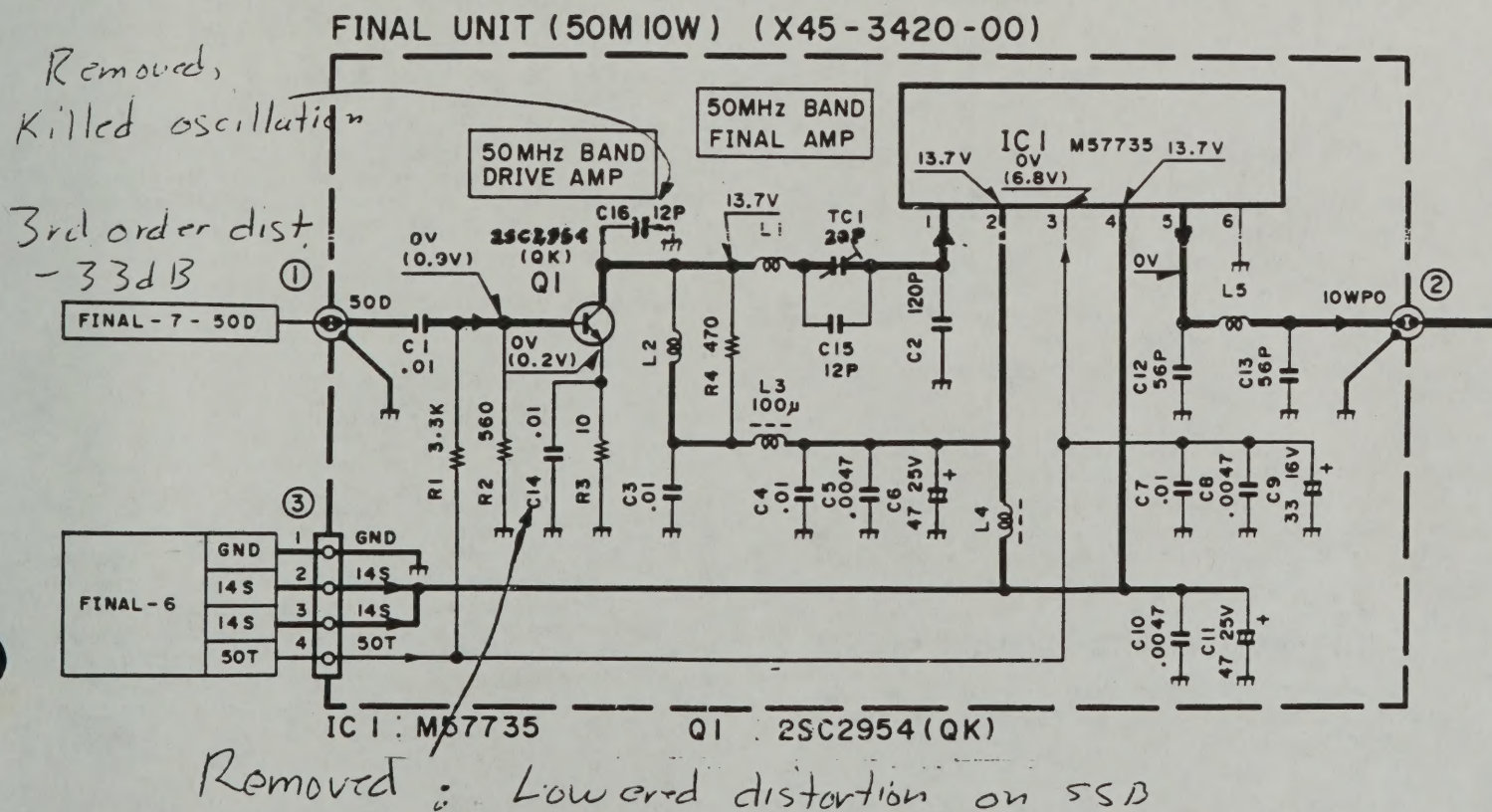
"The vhf-dx-discuss and vhf-dx-warning lists now have a new virtual home. Due to organisational changes, the lists have been moved into the 'blacksheep.org' domain.

You will notice that with immediate effect, mail originating from me or from the lists will come from blacksheep.org.

Please note that in future all mail for the vhf-dx-discuss list should be addressed to 'guy1@blacksheep.org', and administrative requests to 'Major-domo@blacksheep.org'. Mail addressed to the old addresses '@insite.parasoft.co.uk' will be forwarded automatically for some time, but it would be

Mike, K6MYC, sent the following schematic indicating two capacitors which were removed to kill an oscillation and lower distortion on SSB in the TS-690S. He indicated that this, rather than the bias on IC1 cured his problems.

50MHz 10W FINAL UNIT (X45-3420-00) : TS-690S



helpful if list members would change over to use the new addresses as soon as possible.

Replies to you from the Majordomo server may continue to have the '@insite.parasoft.co.uk' domain for a period of time during the changeover. This isn't a problem, it's a symptom of the way the changeover has been implemented; please continue to follow the instructions above.

If anything looks as though it's not working, feel free to drop me a mail.

73 Peter G4MJS
g4mjs@blacksheep.org"

Well, WZ1V has REALLY gone off the deep end of cyberspace now! With the help of Rob Bellville N1NTE, the North East Weak Signal group VHF-SHF club now has a World Wide Web page up and running. The URL is: <http://www.ultranet.com/~bellvill/news.html> Bear with me as it is still under construction, but I've got news from our club, the upcoming August Eastern VHF/UHF Conference, general interest VHF-SHF info, and some pictures up and running. I haven't decided whether to create a subset of vhf oriented links on our page or just include them with Rob's general interest Ham links. Everyones' comments will go a long way in helping me make this a first class VHF-SHF Web page, so please do!

secretary: (7 0 0 7) North East Weak Signal group, ARRL affil.
73 de Ron WZ1V, email: klimas@uhavax.hartford.edu
Grid FN31mp BBS: 203-768-4758 (weeknights/weekends only)
N.E.W.S. group Web Page: <http://www.ultranet.com/~bellvill/news.html>

NC7K Multi Unlimited June 1995 from DM19

In a effort to set the new W7 Multi Unlimited record, Tim - NC7K has brought together a winning team of operators and equipment to operate from 9500 ft Arena Rock above Austin Nevada. Consisting of Dave - NR6E, Joe - N6PRM, and Tim - NC7K. All seasoned VHF contesters with years of experience. Their goal is 300,000 points. To achieve this they need to work EVERY active VHFer on as many bands as possible.

Accordingly the stations will be set up as follows...

- 50 MHz - Yaesu FT 625RD driving a 3CX800A7 into a pair of 4 element K6STI design yagis.
- 144 MHz - Kenwood 970 exciting a 3CX800A7 feeding two M2 18XXX yagis
- 222 MHz - MMT Xvtr/IC730 IF driving a 100W brick into a 7 Wavelength M2
- 432 MHz - Kenwood 970 into a 110W brick feeding a pair of 22 element K1FO yagis.
- 1296 MHz - IC1271A W/ 12W feeding a pair of 45 element loop yagis.

If you've not worked them by Sunday Afternoon, Starting at 1 PM they will be sweeping the horizon following the minute Hand of the Clock. Top of the hour to the North, 15 minutes to the East, 30 minutes to the South, and 45 minutes to the West. Their primary CQ frequencies will be 10 kHz above all calling channels.

The Great Nevada Grid Grab of 1995

Between June 16th and 25th, Tim - NC7K will activate most of the Northern Nevada grids on 50 and 144 MHz. His itinerary is as follows. . .

Friday, June 16 - DM09 / DM19 - Leave work early evening and head to Austin, NV
Saturday, June 17 - DM19 / DM18 - Midday head onto Booker Mtn above Tonopah, NV
Sunday, June 18 - DM18/17/27 - Stop early afternoon on 17 for 3-4 Hrs then on to Pioche, NV
Monday, June 19 - DM27 / DM28 - Midday head to Mt. Wilson South of Ely, NV
Tuesday, June 20 - DM28 / DM29 - Midday onto Success Summit near Ely, NV
Wednesday, June 21 - DM29/DN20/21 - Midday head to Pequop Summit
Thursday, June 22 - DN21 / DN20 - Adobe Summit above Elko, NV
Friday, June 23 - DN20/21/11 - Tuscarora/Midas/Winnemucca Mtn
Saturday, June 24 - DN11 / DN10 - Winemucca, NV
Sunday, June 25 - DN10/00/DM09 - Toulon Peak above Lovelock then on to Home.

1300 miles in 9 1/2 days traversing 13 rare NV grids. Primarily a 6M expedition, he will activate 2M in the evenings for those who need the grid(s). Anyone wishing to sked please Email to Tim.Marek@Megasystem.Com or call (702)972-4722 6-p PM PDST.

21st Eastern VHF/UHF Society Conference August 25, 26, 27, 1995

QUALITY INN & CONFERENCE CENTER
51 HARTFORD TURNPIKE
VERNON, CT 06066

8/25/95 Friday lodging
1500 til hospitality room
8/26/95 Saturday - Registration, Formal Talks & Band Sessions
0800 Registration beings adjacent to the hospitality room
0840 Talks begin, 6 technical talks & 6 band sessions covering 6 meters through SHF featuring Ken Neubeck WB2AMU, Steve Powlishen K1FO, Frank Potts NC1I, Steve Kostro N2CEI, Chip Taylor W1AIM, Bill Lentz AA2UK, Hank Lopez N2MSS, Dr. Paul Shuch N6TX, Tom Whitted WA8WZG, and others.
1600 Preamp noise figure measurement (bring your preamps)
1900 Banquet (7 P.M. - 8:30 P.M.)
2030 VHF-Microwave Trivia Quiz: Open to all
2100 Door Prize Drawings: Open to all
8/27/95 Sunday - VHF-SHF Swap Meet and Antenna Measuring
STARTING AT 8 AM.

From the south/west of Hartford, Travel I-84 E to Exit 63, left off ramp.
From Boston, Travel I-84 W to Exit 64, right off ramp, right @ 1st light.

Registration at the door will cost \$25. Preconference registration (\$20) before August 20, 1995 can be mailed to:

RAE BRISTOL, K1LXD
328 MARK DRIVE
COVENTRY, CT 06238
(203)-742-8650

Note from WZ1V: I am calling for papers for our Conference proceedings at this time. I must receive all articles before July 21, 1995 in order to have our publisher, the ARRL make the print deadline. Last year, we had 187 pages of articles on Operating, Antennas, Equipment Design, Interfacing, and Testing. This was only possible due to a generosity of vhfers sharing knowledge with other vhfers. Please contact me if you'd like to contribute this year. Articles must be camera-ready, 1" borders, photos seperate with accompanying page layout. Electronic documents also ok via email or my BBS.